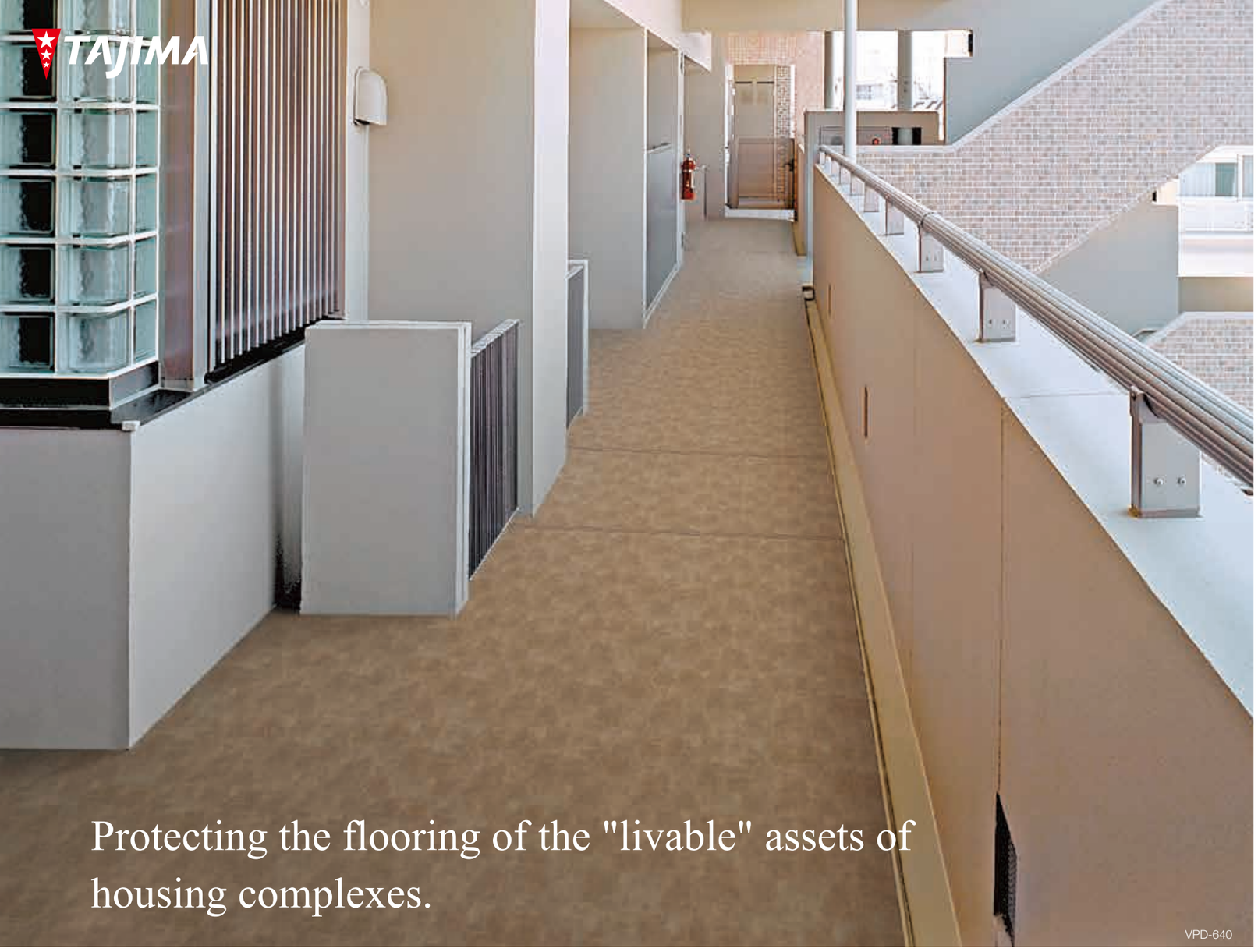


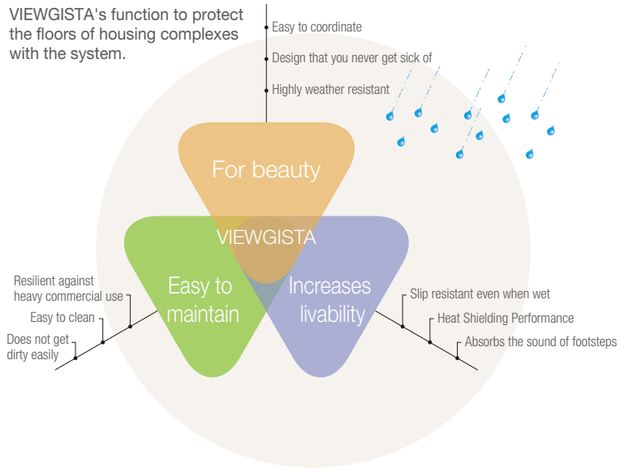
Contents

VIEWGISTA

Slip resistant sheet vinyl flooring

Floor covering, which protects the building and provides more comfortable living environment .... that is VIEWGISTA.

VIEWGISTA's function to protect the floors of housing complexes with the system.



All VIEWGISTA sheets are mold resistant and can be used outdoors.

1 Choose VIEWGISTA for its maintenance and comfort.

2 Choose VIEWGISTA for its beauty and livability.

VIEWGISTA PLUS

Emboss shape focused on ease to clean on a daily basis.

→p. 14

Easy Clean

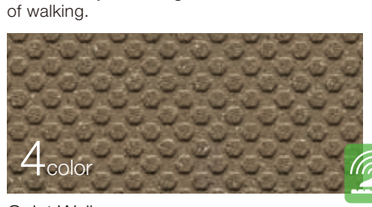
Low depth gradation embossing provides both smoothness and slip resistance.

→p. 15

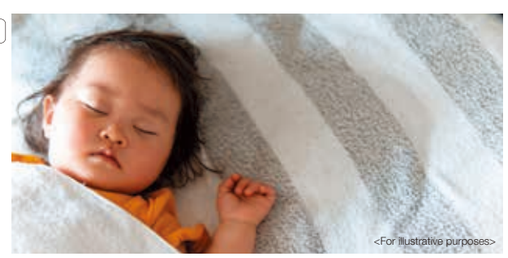
Easy Walk

The foam layer is designed to reduce the sound of walking.

→p. 16



Quiet Walk



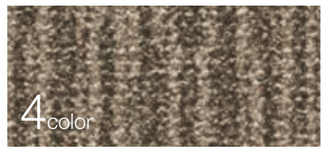
VIEWGISTA MULTI

→p. 17-

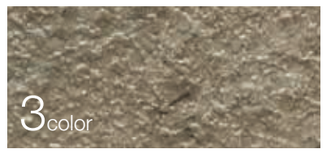
This design series expresses complex textures and realistic materials.

Hardwood

Softwood



Pileline



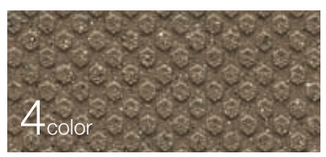
Marble

Lattice

VIEWGISTA SAND

→p. 23-

A basic design that is very versatile.



Hexa

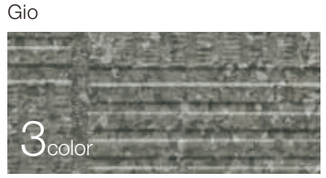
Stone

VIEWGISTA GRAN

→p. 25-

Inlaid composition series that maintains its design over the long term.

Gio



Block

3 Choose VIEWGISTA for its safety and security.

<For illustrative purposes>

Reduces sound that travels to lower levels and softens the impact of a falling object.

Walking noise to lower levels at night is a nuisance.We have developed a special foam underlayer sheet as one means of reducing this problem.You can choose combinations with a variety of patterns*.
Foam has cushioning properties, so it also impact absorbent when children or the elderly fall over.

* Except for "Quiet Walk," which has a foam layer on the back of the VIEWGISTA sheet itself.

→p. 35

4 Choose VIEWGISTA for its workability and available services.

Light and easy to handle. Soft and easy to install.

The ease of handling materials and installation directly affects the degree of perfection of the finished product and, ultimately, its durability.
With workability in mind, product design and raw material studies focused on lightness and flexibility have significantly improved the workability of VIEWGISTA.

An image simulation service that enables an image of the completed project to be shared.

→p. 36

We offer a service to create images of the VIEWGISTA post-installation.VIEWGISTA images can be overlaid on current photos so a concrete image of the completed project can be shared with all parties involved.

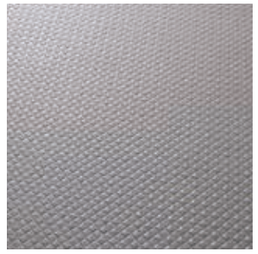
Note that the product numbers listed for secondary materials are recommendations (example combinations).

High Performance Series

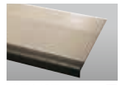
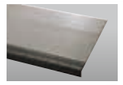
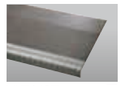
PLUS

Easy Clean

→p. 14

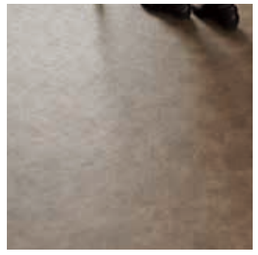


Weather Resistant · Easy to Clean · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Antichemical · For Professional Use

	VIEWGISTA STEP Easy Clean Type (Same color/pattern ■ Same color ■)	DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VPC-401**	 VLT/VST-4011 ■	 VGR-2001	 VCD-301	Welding rod V-401Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VPC-402**	 VLT/VST-4021 ■	 VGR-2002	 VCD-313	Welding rod V-402Y Sealant VG-102 DRAIN RAIL VGD-1002
 **VPC-403**	 VLT/VST-4031 ■	 VGR-2004	 VCD-312	Welding rod V-403Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VPC-404**	 VLT/VST-4041 ■	 VGR-2005	 VCD-306	Welding rod V-404Y Sealant VG-105 DRAIN RAIL VGD-1005

Easy Walk

→p. 15

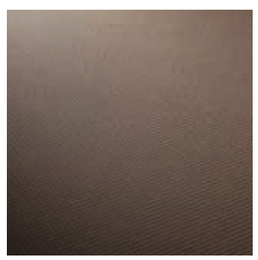


Weather Resistant · Easy to Clean · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Antichemical · For Professional Use

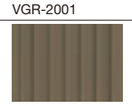
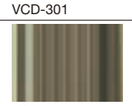
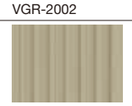
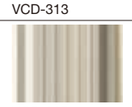
	DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VPD-640**	 VGR-2003	 VCD-313	Welding rod V-640Y Sealant VG-103 DRAIN RAIL VGD-1003
 **VPD-641**	 VGR-2003	 VCD-313	Welding rod V-641Y Sealant VG-103 DRAIN RAIL VGD-1003
 **VPD-642**	 VGR-2004	 VCD-308	Welding rod V-642Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VPD-643**	 VGR-2004	 VCD-308	Welding rod V-643Y Sealant VG-104 DRAIN RAIL VGD-1004

Quiet Walk

→p. 16



Weather Resistant · Antichemical · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Sound Absorbing · For Professional Use · Shock Absorption

	DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VPA-401**	 VGR-2001	 VCD-301	Welding rod V-401Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VPA-402**	 VGR-2002	 VCD-313	Welding rod V-402Y Sealant VG-102 DRAIN RAIL VGD-1002
 **VPA-405**	 VGR-2001	 VCD-307	Welding rod V-405Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VPA-406**	 VGR-2004	 VCD-311	Welding rod V-406Y Sealant VG-104 DRAIN RAIL VGD-1004

Note that the product numbers listed for secondary materials are recommendations (example combinations).

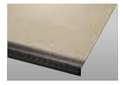
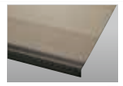
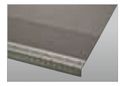
Standard Series

SAND

Hexa

→p. 23

Weather Resistant · Mold Resistant · Slip Resistant · Made in Japan · Heavy Commercial Use · For Professional Use · Antichemical

	VIEWGISTA STEP Hexa Type (Same color/pattern ■ Same color ■)	DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VSH-401**	 VLT/VST-401 ■	 VGR-2001	 VCD-301	Welding rod V-401Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VSH-402**	 VLT/VST-402 ■	 VGR-2002	 VCD-313	Welding rod V-402Y Sealant VG-102 DRAIN RAIL VGD-1002
 **VSH-403**	 VLT/VST-403 ■	 VGR-2004	 VCD-312	Welding rod V-403Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VSH-404**	 VLT/VST-404 ■	 VGR-2005	 VCD-306	Welding rod V-404Y Sealant VG-105 DRAIN RAIL VGD-1005

Stone

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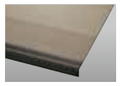
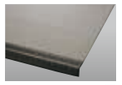
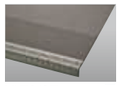
Weather Resistant · Mold Resistant · Slip Resistant · Made in Japan · Heavy Commercial Use · For Professional Use · Antichemical

		DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VSS-402**	 VLT/VST-402 ■	 VGR-2002	 VCD-313	Welding rod V-402Y Sealant VG-102 DRAIN RAIL VGD-1002
 **VSS-403**	 VLT/VST-403 ■	 VGR-2004	 VCD-312	Welding rod V-403Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VSS-404**	 VLT/VST-404 ■	 VGR-2005	 VCD-306	Welding rod V-404Y Sealant VG-105 DRAIN RAIL VGD-1005

Note that the product numbers listed for secondary materials are recommendations (example combinations).

Design Series **MULTI**

→p. 19

Pileline

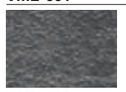
Weather Resistant · Easy to Clean · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Antichemical · For Professional Use

	DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VML-670**	VGR-2001	VCD-308	Welding rod V-670Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VML-671**	VGR-2004	VCD-312	Welding rod V-671Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VML-672**	VGR-2002	VCD-313	Welding rod V-672Y Sealant VG-102 DRAIN RAIL VGD-1002
 **VML-673**	VGR-2005	VCD-306	Welding rod V-673Y Sealant VG-105 DRAIN RAIL VGD-1005

Marble

→p. 20

Weather Resistant · Easy to Clean · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Antichemical · For Professional Use

 **VML-660**	VGR-2001	VCD-301	Welding rod V-660Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VML-661**	VGR-2004	VCD-308	Welding rod V-661Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VML-662**	VGR-2005	VCD-306	Welding rod V-662Y Sealant VG-105 DRAIN RAIL VGD-1005

Hardwood

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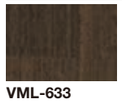
Weather Resistant · Easy to Clean · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Antichemical · For Professional Use

 **VML-630**	VGR-2003	VCD-308	Welding rod V-630Y Sealant VG-103 DRAIN RAIL VGD-1003
 **VML-631**	VGR-2007	VCD-314	Welding rod V-631Y Sealant VG-107 DRAIN RAIL VGD-1007
 **VML-632**	VGR-2008	VCD-313	Welding rod V-632Y Sealant VG-108 DRAIN RAIL VGD-1008
 **VML-633**	VGR-2008	VCD-313	Welding rod V-633Y Sealant VG-108 DRAIN RAIL VGD-1008

→p. 18

Softwood

VIEWGISTA STEP
Lattice Type
Same color/pattern ■ Same color ■

Weather Resistant · Easy to Clean · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Antichemical · For Professional Use

	DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VML-650**	VGR-2003	VCD-314	Welding rod V-650Y Sealant VG-103 DRAIN RAIL VGD-1003
 **VML-651**	VGR-2006	VCD-314	Welding rod V-651Y Sealant VG-106 DRAIN RAIL VGD-1006
 **VML-652**	VGR-2007	VCD-314	Welding rod V-652Y Sealant VG-107 DRAIN RAIL VGD-1007
 **VML-653**	VGR-2007	VCD-314	Welding rod V-653Y Sealant VG-107 DRAIN RAIL VGD-1007

Lattice

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Weather Resistant · Mold Resistant · Slip Resistant · Made in Japan · Heavy Commercial Use · For Professional Use · Antichemical

 **VML-600**	 VLT/VST-600 ■	VGR-2001	VCD-307	Welding rod V-600Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VML-601**	 VLT/VST-601 ■	VGR-2006	VCD-314	Welding rod V-601Y Sealant VG-106 DRAIN RAIL VGD-1006
 **VML-602**	 VLT/VST-602 ■	VGR-2008	VCD-313	Welding rod V-602Y Sealant VG-108 DRAIN RAIL VGD-1008
 **VML-603**		VGR-2005	VCD-306	Welding rod V-603Y Sealant VG-105 DRAIN RAIL VGD-1005

VIEWGISTA **color chart**

Note that the product numbers listed for secondary materials are recommendations (example combinations).

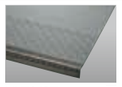
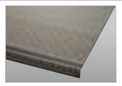
Inlaid Design Series

GRAN

→p. 25

Gio

Weather Resistant · Mold Resistant · Slip Resistant · Made in Japan · Heavy Commercial Use · For Professional Use · Antichemical

	VIEWGISTA STEP Gio Type (Same color/pattern ■)	(Same color ■)	DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VGG-701**	 VLT/VST-701 ■		 VGR-2001	 VCD-301	Welding rod V-701Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VGG-702**	 VLT/VST-702 ■		 VGR-2002	 VCD-313	Welding rod V-702Y Sealant VG-102 DRAIN RAIL VGD-1002
 **VGG-703**	 VLT/VST-703 ■		 VGR-2004	 VCD-312	Welding rod V-703Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VGG-704**	 VLT/VST-704 ■		 VGR-2004	 VCD-308	Welding rod V-704Y Sealant VG-104 DRAIN RAIL VGD-1004
 **VGG-706**	 VLT/VST-706 ■		 VGR-2006	 VCD-314	Welding rod V-706Y Sealant VG-106 DRAIN RAIL VGD-1006

Block

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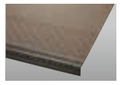
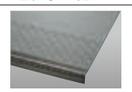
Weather Resistant · Mold Resistant · Slip Resistant · Made in Japan · Heavy Commercial Use · For Professional Use · Antichemical

		DRAIN RAIL EX	HOLLOW DRAIN EX II	Related secondary materials
 **VGB-701**	 VLT/VST-701 ■	 VGR-2001	 VCD-301	Welding rod V-701Y Sealant VG-101 DRAIN RAIL VGD-1001
 **VGB-702**	 VLT/VST-702 ■	 VGR-2002	 VCD-313	Welding rod V-702Y Sealant VG-102 DRAIN RAIL VGD-1002
 **VGB-703**	 VLT/VST-703 ■	 VGR-2004	 VCD-312	Welding rod V-703Y Sealant VG-104 DRAIN RAIL VGD-1004

AQUA

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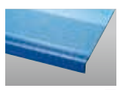
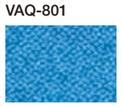
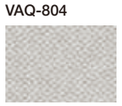
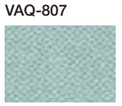
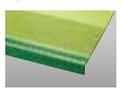
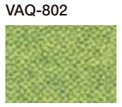
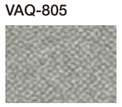
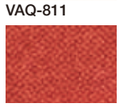
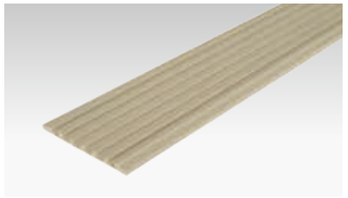
Weather Resistant · Heat Shielding · Slip Resistant · Mold Resistant · Heavy Commercial Use · Made in Japan · Antichemical · For Professional Use

				VIEWGISTA STEP
 VAQ-801	 VAQ-804	 VAQ-807	 VAQ-810	 VST-801 ■
 VAQ-802	 VAQ-805	 VAQ-808	 VAQ-811	 VST-803 ■
 VAQ-803	 VAQ-806	 VAQ-809	 VAQ-812	

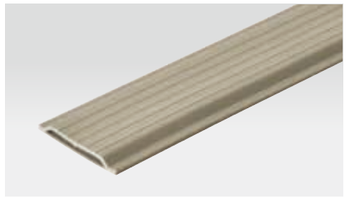
Related secondary materials/corner guards

VG DRAIN RAIL EX



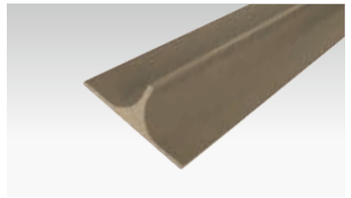
P.29

VIEWGISTA HOLLOW DRAIN EX II



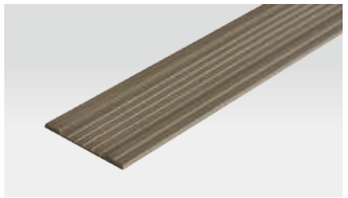
P.30

VG Magikiri



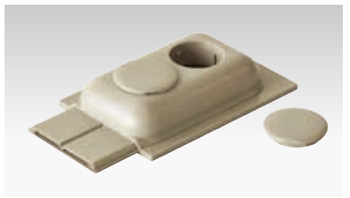
P.30

VG DRAIN RAIL



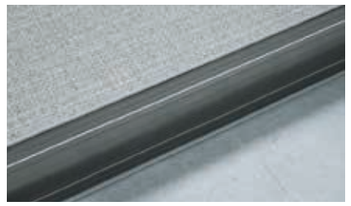
P.29

VIEWGISTA HOLLOW DRAIN HOLDER EX



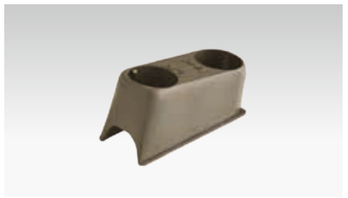
P.30

CORNER GUARD



P.36

VG DRAIN HOLDER EX

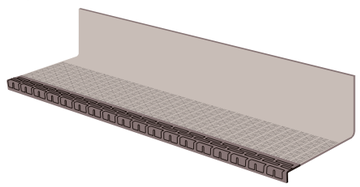


P.29

Components for stairways

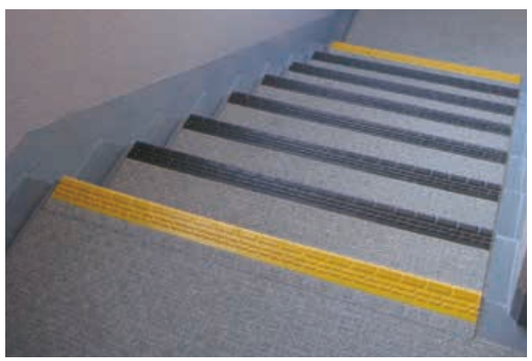
→p. 31

Integrated Riser VIEWGISTA STEP VLT

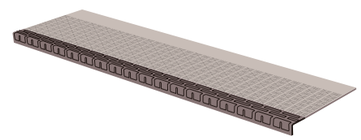


Yellow stair nosing that improves visibility of stairs

→p. 32

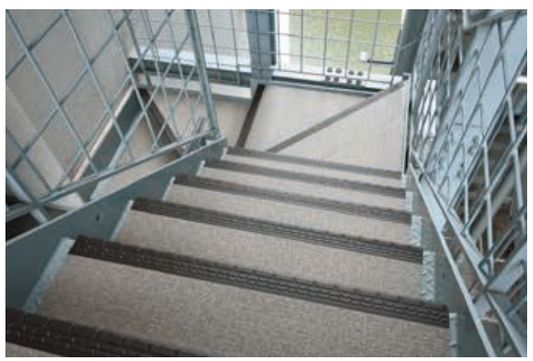


For Stair Treads VIEWGISTA STEP VST



Checker plate for stairways (with foam layer)

→p. 33



PLUS Series | MULTI Series | SAND Series | GRAN Series

Common Items

Material Classification: Heterogeneous Vinyl Floor Sheet FS (Heterogeneous Vinyl Sheet Flooring on foam HS for Quiet Walk Only)

Subfloor	Adhesive	Seams	Edges
Mortar Concrete	Cement VG Cement EP20	VIEWGISTA welding rod (heat welding)	VG Sealant MS
Urethane Waterproofing	Cement VG		

* For details on AQUA, see p. 27.

PLUS | Easy Clean

The emboss shape makes for easy sweeping of sand and dust, and is both easy to clean and slip resistant.

Weather Resistant | Heavy Commercial Use | Easy to Clean | Made in Japan
Slip Resistant | Antichemical | Mold Resistant | For Professional Use

● Safe use For more information, see page 48.

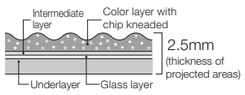
・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	37.4kg
1,620mm			44.8kg
1,820mm			50.2kg

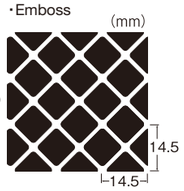
For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

Please note that pattern matching is not available.

・Cross Section Image



・Emboss



Note that the product numbers listed for secondary materials are recommendations (example combinations).

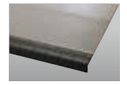
VPC-401

Welding rod V-401Y
Sealant VG-101
DRAIN RAIL EX VGR-2001
DRAIN RAIL VGD-1001
HOLLOW DRAIN EX II VCD-301
Same color/pattern STEP VLT/VST-4011

VLT/VST-4011

VPC-403

Welding rod V-403Y
Sealant VG-104
DRAIN RAIL EX VGR-2004
DRAIN RAIL VGD-1004
HOLLOW DRAIN EX II VCD-312
Same color/pattern STEP VLT/VST-4031

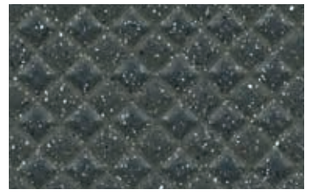


VLT/VST-4031

VPC-402

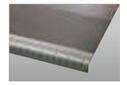
Welding rod V-402Y
Sealant VG-102
DRAIN RAIL EX VGR-2002
DRAIN RAIL VGD-1002
HOLLOW DRAIN EX II VCD-313
Same color/pattern STEP VLT/VST-4021

VLT/VST-4021



VPC-404

Welding rod V-404Y
Sealant VG-105
DRAIN RAIL EX VGR-2005
DRAIN RAIL VGD-1005
HOLLOW DRAIN EX II VCD-306
Same color/pattern STEP VLT/VST-4041

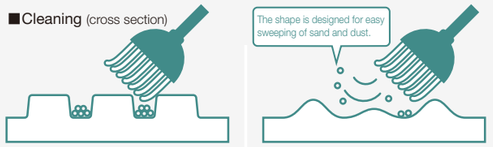


VLT/VST-4041

The emboss shape makes for easy sweeping of sand and dust

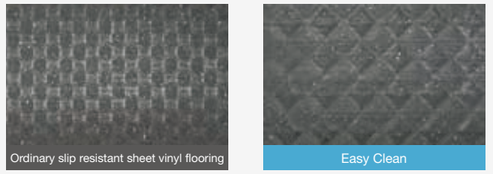
The floors of public corridors and balconies in apartment buildings must be cleaned frequently due to sand and dust brought in by residents, as well as dust blown in from outside."Easy Clean" reduces this burden.

■Cleaning (cross section)



Ordinary slip resistant sheet vinyl flooring | Easy Clean

■Dirt test results



Sand remains in the grooves
Sand removal rate: **86.1**%

Very little sand remains
Sand removal rate: **94.1**%

■Testing Methodology - Our Proprietary Testing Method
White sand (JIS Test Powder 1) of the same size as the dust that accumulates on outdoor floors, such as public corridors, is placed on a sheet* and swept with a broom fixed to a sweepability tester. The amount of remaining sand is then observed and the weight of the removed sand is measured to calculate the removal rate.Note: Testing was conducted on black sheets to make it easier to see the remaining sand.

PLUS | Easy Walk

Weather Resistant | Heavy Commercial Use | Easy to Clean | Made in Japan
Slip Resistant | Antichemical | Mold Resistant | For Professional Use

Low depth surface embossing for smooth walkability and excellent cleanability

● Safe use ➡ For more information, see page 48.

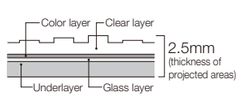
・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	40.5kg
1,820mm			54.5kg

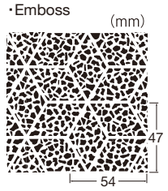
For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

Please note that pattern matching is not available.

・Cross Section Image



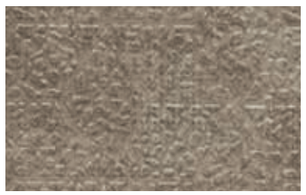
・Emboss



Note that the product numbers listed for secondary materials are recommendations (example combinations).

VPD-640

Welding rod	V-640Y
Sealant	VG-103
DRAIN RAIL EX	VGR-2003
DRAIN RAIL	VGD-1003
HOLLOW DRAIN EX II	VCD-313



VPD-641

Welding rod	V-641Y
Sealant	VG-103
DRAIN RAIL EX	VGR-2003
DRAIN RAIL	VGD-1003
HOLLOW DRAIN EX II	VCD-313

VPD-642

Welding rod	V-642Y
Sealant	VG-104
DRAIN RAIL EX	VGR-2004
DRAIN RAIL	VGD-1004
HOLLOW DRAIN EX II	VCD-308

VPD-643

Welding rod	V-643Y
Sealant	VG-104
DRAIN RAIL EX	VGR-2004
DRAIN RAIL	VGD-1004
HOLLOW DRAIN EX II	VCD-308

Soles of feet grip firmly preventing stumbling even when shuffling.

VPD-641

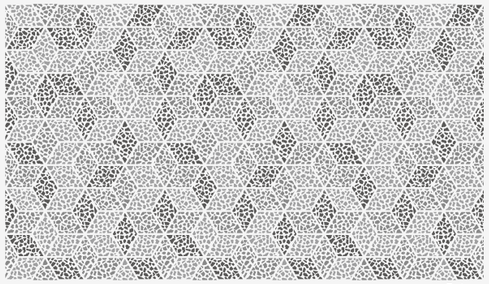
Benefits provided by low depth gradation embossing

The embossing depth is varied in stages to make it easier for shoe soles to touch the embossing, thereby generating a gripping force.The low-depth embossing also reduces caster wheel noise generated when moving carts, and the like, and makes it easier to sweep dirt out with a broom.

Soles of feet grip firmly preventing stumbling even when shuffling.

Reduces caster wheel noise from suitcases, etc.

Dirt is easy to sweep out with a broom.



Emboss

Emboss height

PLUS | Quiet Walk

Weather Resistant | Heavy Commercial Use | Shock Absorption | Mold Resistant | For Professional Use
Slip Resistant | Sound Absorbing | Antichemical | Made in Japan

The foam layer is designed to reduce the sound of footsteps.

● Safe use ➡ For more information, see page 48.

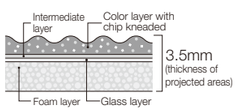
・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	3.5mm	10m	37.6kg

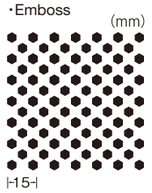
For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

Please note that pattern matching is not available.

・Cross Section Image



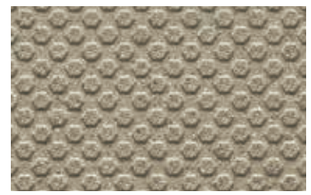
・Emboss



Note that the product numbers listed for secondary materials are recommendations (example combinations).

VPA-405

Welding rod	V-405Y
Sealant	VG-101
DRAIN RAIL EX	VGR-2001
DRAIN RAIL	VGD-1001
HOLLOW DRAIN EX II	VCD-307



VPA-401

Welding rod	V-401Y
Sealant	VG-101
DRAIN RAIL EX	VGR-2001
DRAIN RAIL	VGD-1001
HOLLOW DRAIN EX II	VCD-301

VPA-406

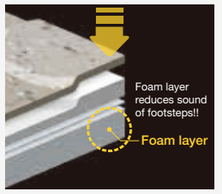
Welding rod	V-406Y
Sealant	VG-104
DRAIN RAIL EX	VGR-2004
DRAIN RAIL	VGD-1004
HOLLOW DRAIN EX II	VCD-311

VPA-402

Welding rod	V-402Y
Sealant	VG-102
DRAIN RAIL EX	VGR-2002
DRAIN RAIL	VGD-1002
HOLLOW DRAIN EX II	VCD-313

Reduces the Sound of Footsteps

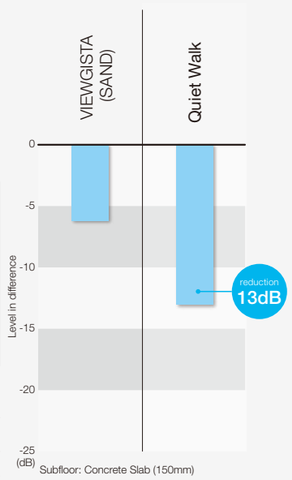
Noise generated in common areas such as corridors or stairs can be highly disturbing when it occurs at night.
Quiet Walk has a foam layer to absorb the sound of footsteps, perfect for use in areas where noise is a concern.

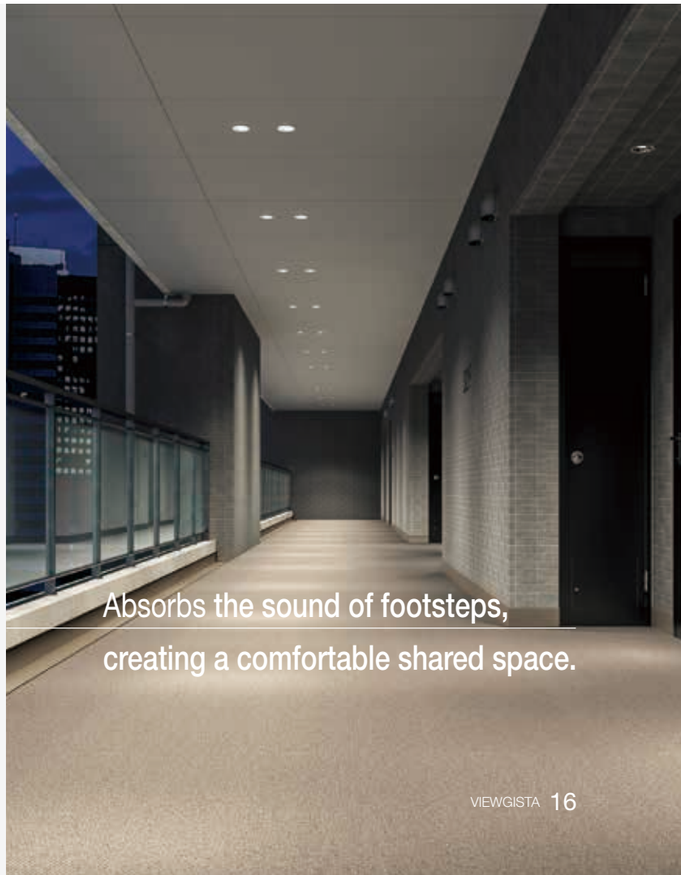


■Changes in Noise Level/Level of Perception

Changes in Noise Level	Level of Perception
3dB (A)	Change in noise level can just barely be perceived
5dB (A)	Can clearly perceive change in noise level
10dB (A)	Noise is perceived to be twice as loud

■Noise Level Comparison





Absorbs the sound of footsteps, creating a comfortable shared space.

MULTI | Hardwood

Weather Resistant | Heavy Commercial Use | Easy to Clean | Made in Japan
Slip Resistant | Antichemical | Mold Resistant | For Professional Use

Natural texture with the warmth of wood.

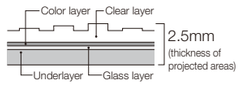
● Safe use ➡ For more information, see page 48.

・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	36.8kg
1,820mm			49.5kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

・Cross Section Image



Note that the product numbers listed for secondary materials are recommendations (example combinations).

VML-630

Welding rod	V-630Y
Sealant	VG-103
DRAIN RAIL EX	VGR-2003
DRAIN RAIL	VGD-1003
HOLLOW DRAIN EX II	VCD-308

VML-631

Welding rod	V-631Y
Sealant	VG-107
DRAIN RAIL EX	VGR-2007
DRAIN RAIL	VGD-1007
HOLLOW DRAIN EX II	VCD-314

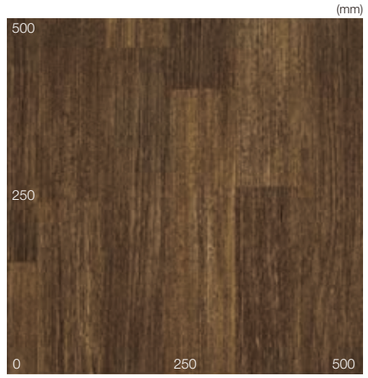
VML-632

Welding rod	V-632Y
Sealant	VG-108
DRAIN RAIL EX	VGR-2008
DRAIN RAIL	VGD-1008
HOLLOW DRAIN EX II	VCD-313

VML-633

Welding rod	V-633Y
Sealant	VG-108
DRAIN RAIL EX	VGR-2008
DRAIN RAIL	VGD-1008
HOLLOW DRAIN EX II	VCD-313

(mm)



Please note that pattern matching is not available.


VML-632

MULTI | Softwood

Weather Resistant | Heavy Commercial Use | Easy to Clean | Made in Japan
Slip Resistant | Antichemical | Mold Resistant | For Professional Use

Living room and balcony have an integrated feel.

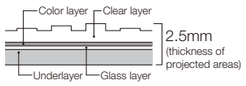
● Safe use ➡ For more information, see page 48.

・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	36.8kg
1,820mm			49.5kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

・Cross Section Image



Note that the product numbers listed for secondary materials are recommendations (example combinations).

VML-651

Welding rod	V-651Y
Sealant	VG-106
DRAIN RAIL EX	VGR-2006
DRAIN RAIL	VGD-1006
HOLLOW DRAIN EX II	VCD-314

VML-652

Welding rod	V-652Y
Sealant	VG-107
DRAIN RAIL EX	VGR-2007
DRAIN RAIL	VGD-1007
HOLLOW DRAIN EX II	VCD-314

VML-650

Welding rod	V-650Y
Sealant	VG-103
DRAIN RAIL EX	VGR-2003
DRAIN RAIL	VGD-1003
HOLLOW DRAIN EX II	VCD-314

VML-653

Welding rod	V-653Y
Sealant	VG-107
DRAIN RAIL EX	VGR-2007
DRAIN RAIL	VGD-1007
HOLLOW DRAIN EX II	VCD-314

(mm)

Please note that pattern matching is not available.


VML-651

MULTI | Pileline

Weather Resistant | Heavy Commercial Use | Easy to Clean | Made in Japan
Slip Resistant | Antichemical | Mold Resistant | For Professional Use

Carpet-like pattern creates a soft atmosphere.

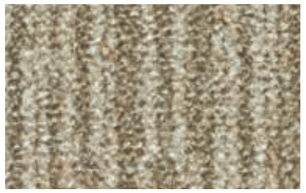
● Safe use ➡ For more information, see page 48.

Note that the product numbers listed for secondary materials are recommendations (example combinations).

・Specs

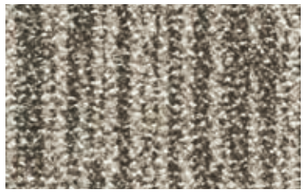
Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	36.8kg
1,820mm			49.5kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.



VML-670

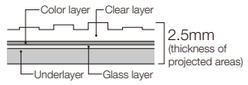
Welding rod	V-670Y
Sealant	VG-101
DRAIN RAIL EX	VGR-2001
DRAIN RAIL	VGD-1001
HOLLOW DRAIN EX II	VCD-308

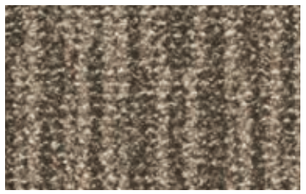


VML-671

Welding rod	V-671Y
Sealant	VG-104
DRAIN RAIL EX	VGR-2004
DRAIN RAIL	VGD-1004
HOLLOW DRAIN EX II	VCD-312

・Cross Section Image





VML-672

Welding rod	V-672Y
Sealant	VG-102
DRAIN RAIL EX	VGR-2002
DRAIN RAIL	VGD-1002
HOLLOW DRAIN EX II	VCD-313

VML-673

Welding rod	V-673Y
Sealant	VG-105
DRAIN RAIL EX	VGR-2005
DRAIN RAIL	VGD-1005
HOLLOW DRAIN EX II	VCD-306

(mm)

Please note that pattern matching is not available.

VML-670

MULTI | Marble

Weather Resistant | Heavy Commercial Use | Easy to Clean | Made in Japan
Slip Resistant | Antichemical | Mold Resistant | For Professional Use

Marble pattern that fosters calmness and dignity

● Safe use ➡ For more information, see page 48.

Note that the product numbers listed for secondary materials are recommendations (example combinations).

・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	36.8kg
1,820mm			49.5kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

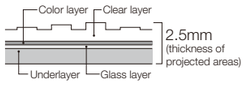
VML-660

Welding rod	V-660Y
Sealant	VG-101
DRAIN RAIL EX	VGR-2001
DRAIN RAIL	VGD-1001
HOLLOW DRAIN EX II	VCD-301

VML-661

Welding rod	V-661Y
Sealant	VG-104
DRAIN RAIL EX	VGR-2004
DRAIN RAIL	VGD-1004
HOLLOW DRAIN EX II	VCD-308

・Cross Section Image



VML-662

Welding rod	V-662Y
Sealant	VG-105
DRAIN RAIL EX	VGR-2005
DRAIN RAIL	VGD-1005
HOLLOW DRAIN EX II	VCD-306

(mm)

Please note that pattern matching is not available.

VML-660

MULTI | Lattice

Weather Resistant | Heavy Commercial Use | Mold Resistant | For Professional Use | Slip Resistant | Antichemical | Made in Japan

Delicate textile texture creates a high quality space.

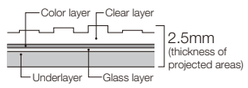
● Safe use ➡ For more information, see page 48.

・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	36.8kg
1,620mm			44.1kg
1,820mm			49.5kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

・Cross Section Image

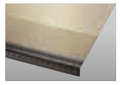


・Emboss

Note that the product numbers listed for secondary materials are recommendations (example combinations).

VML-600

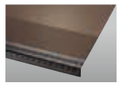
Welding rod V-600Y
Sealant VG-101
DRAIN RAIL EX VGR-2001
DRAIN RAIL VGD-1001
HOLLOW DRAIN EX II VCD-307
Same color/pattern STEP VLT/VST-600



VLT/VST-600

VML-602

Welding rod V-602Y
Sealant VG-108
DRAIN RAIL EX VGR-2008
DRAIN RAIL VGD-1008
HOLLOW DRAIN EX II VCD-313
Same color/pattern STEP VLT/VST-602



VLT/VST-602

VML-601

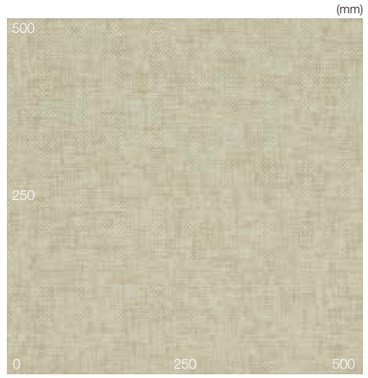
Welding rod V-601Y
Sealant VG-106
DRAIN RAIL EX VGR-2006
DRAIN RAIL VGD-1006
HOLLOW DRAIN EX II VCD-314
Same color/pattern STEP VLT/VST-601

VLT/VST-601

VML-603

Welding rod V-603Y
Sealant VG-105
DRAIN RAIL EX VGR-2005
DRAIN RAIL VGD-1005
HOLLOW DRAIN EX II VCD-306

(mm)



Please note that pattern matching is not available.

VML-602

SAND | Hexa

Weather Resistant | Heavy Commercial Use | Mold Resistant | For Professional Use | Slip Resistant | Antichemical | Made in Japan

Standard product with a natural color scheme and simple pattern.

● Safe use ➡ For more information, see page 48.

Note that the product numbers listed for secondary materials are recommendations (example combinations).

・Specs

Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	36.1kg
1,620mm			43.2kg
1,820mm			48.5kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

VSH-401

Welding rod V-401Y
Sealant VG-101
DRAIN RAIL EX VGR-2001
DRAIN RAIL VGD-1001
HOLLOW DRAIN EX II VCD-301
Same color/pattern STEP VLT/VST-401

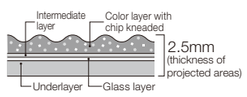
VLT/VST-401

VSH-403

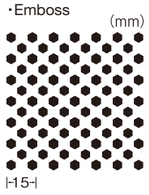
Welding rod V-403Y
Sealant VG-104
DRAIN RAIL EX VGR-2004
DRAIN RAIL VGD-1004
HOLLOW DRAIN EX II VCD-312
Same color/pattern STEP VLT/VST-403

VLT/VST-403

・Cross Section Image

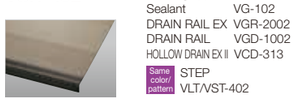


・Emboss

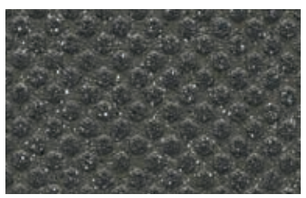


VSH-402

Welding rod V-402Y
Sealant VG-102
DRAIN RAIL EX VGR-2002
DRAIN RAIL VGD-1002
HOLLOW DRAIN EX II VCD-313
Same color/pattern STEP VLT/VST-402

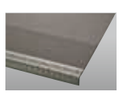


VLT/VST-402



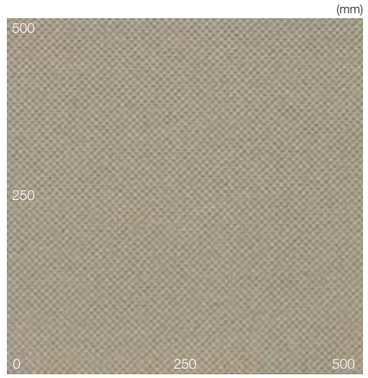
VSH-404

Welding rod V-404Y
Sealant VG-105
DRAIN RAIL EX VGR-2005
DRAIN RAIL VGD-1005
HOLLOW DRAIN EX II VCD-306
Same color/pattern STEP VLT/VST-404



VLT/VST-404

(mm)



Please note that pattern matching is not available.

VSH-402

SAND | Stone

Weather Resistant | Heavy Commercial Use | Mold Resistant | For Professional Use | Slip Resistant | Antichemical | Made in Japan

Emboss shape reminiscent of cobblestone pavement with no need for pattern matching

● Safe use ➡ For more information, see page 48.

Note that the product numbers listed for secondary materials are recommendations (example combinations).

・Specs

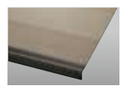
Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	36.1kg
1,820mm			48.5kg

Build-to-Order 1,620mm width, 3 weeks delivery, 200 m or more per color

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

VSS-402

Welding rod V-402Y
Sealant VG-102
DRAIN RAIL EX VGR-2002
DRAIN RAIL VGD-1002
HOLLOW DRAIN EX II VCD-313
Same color STEP VLT/VST-402



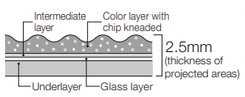
VLT/VST-402

VSS-403

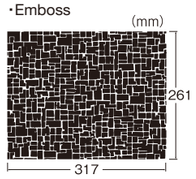
Welding rod V-403Y
Sealant VG-104
DRAIN RAIL EX VGR-2004
DRAIN RAIL VGD-1004
HOLLOW DRAIN EX II VCD-312
Same color STEP VLT/VST-403

VLT/VST-403

・Cross Section Image

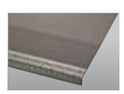


・Emboss



VSS-404

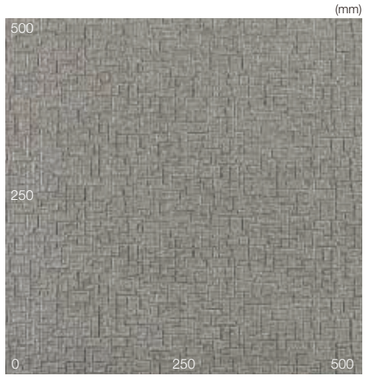
Welding rod V-404Y
Sealant VG-105
DRAIN RAIL EX VGR-2005
DRAIN RAIL VGD-1005
HOLLOW DRAIN EX II VCD-306
Same color STEP VLT/VST-404



VLT/VST-404

Same color The color is the same as the sheet, but the embossing is the Hexa type.

(mm)



Note: Uses an embossed pattern that does not require pattern matching.

VSS-404

GRAN | Gio

Weather Resistant | Heavy Commercial Use | Mold Resistant | For Professional Use | Slip Resistant | Antichemical | Made in Japan

Highly versatile emboss shape that can be used in any space.

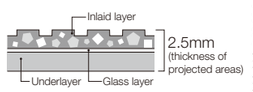
● Safe use ➡ For more information, see page 48.

・Specs

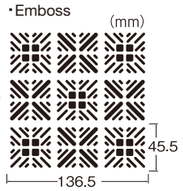
Width	Thickness (projected areas)	Length	Weight (roll)
1,250mm	2.5mm	10m	31.8kg
1,350mm			34.3kg
1,620mm			41.1kg
1,820mm			46.1kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

・Cross Section Image



・Emboss

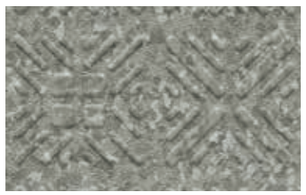


Note that the product numbers listed for secondary materials are recommendations (example combinations).

VGG-701

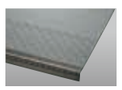
Welding rod V-701Y
Sealant VG-101
DRAIN RAIL EX VGR-2001
DRAIN RAIL VGD-1001
HOLLOW DRAIN EX II VCD-301
Same color/pattern STEP VLT/VST-701

VLT/VST-701

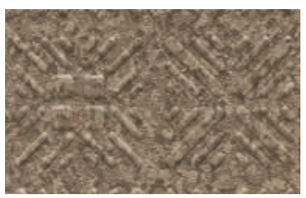


VGG-703

Welding rod V-703Y
Sealant VG-104
DRAIN RAIL EX VGR-2004
DRAIN RAIL VGD-1004
HOLLOW DRAIN EX II VCD-312
Same color/pattern STEP VLT/VST-703



VLT/VST-703



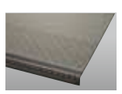
VGG-702

Welding rod V-702Y
Sealant VG-102
DRAIN RAIL EX VGR-2002
DRAIN RAIL VGD-1002
HOLLOW DRAIN EX II VCD-313
Same color/pattern STEP VLT/VST-702

VLT/VST-702

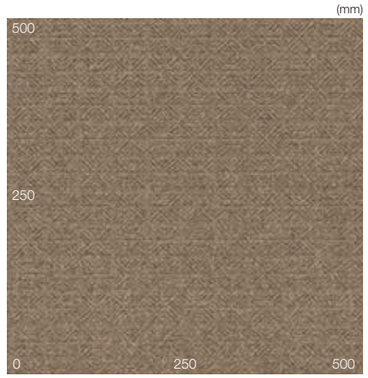
VGG-704

Welding rod V-704Y
Sealant VG-104
DRAIN RAIL EX VGR-2004
DRAIN RAIL VGD-1004
HOLLOW DRAIN EX II VCD-308
Same color/pattern STEP VLT/VST-704



VLT/VST-704

(mm)



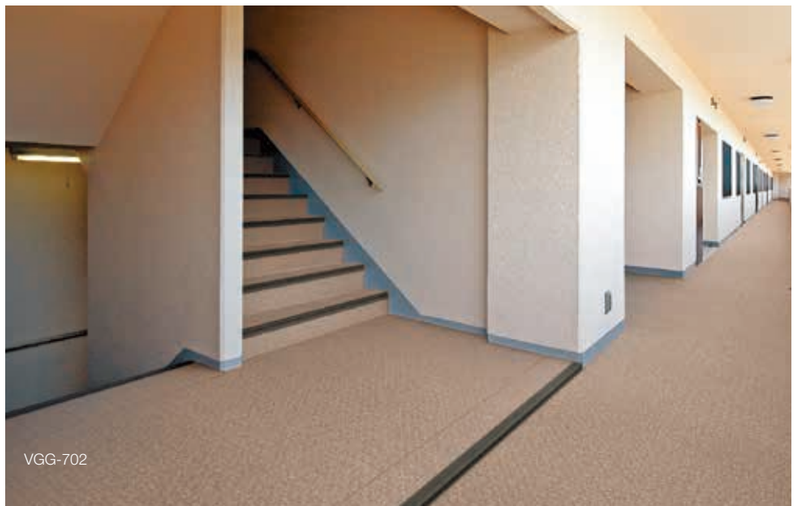
Please note that pattern matching is not available.

Inlaid flooring: A technique in which colored vinyl pieces or grains are spread or arranged and then heat-compressed to create patterns or designs.

VGG-706

Welding rod V-706Y
Sealant VG-106
DRAIN RAIL EX VGR-2006
DRAIN RAIL VGD-1006
HOLLOW DRAIN EX II VCD-314
Same color/pattern STEP VLT/VST-706

VLT/VST-706



VGG-702

GRAN | Block

Weather Resistant | Heavy Commercial Use | Mold Resistant | For Professional Use | Slip Resistant | Antichemical | Made in Japan

Large porcelain tile-like pattern creates a sense of luxury.

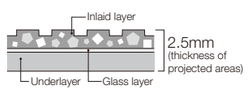
● Safe use ➡ For more information, see page 48.

・Specs

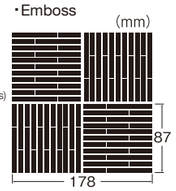
Width	Thickness (projected areas)	Length	Weight (roll)
1,350mm	2.5mm	10m	34.3kg
1,820mm			46.1kg

For details on material classifications, subfloors, adhesives, seams, and edge treatments, see page 13.

・Cross Section Image



・Emboss

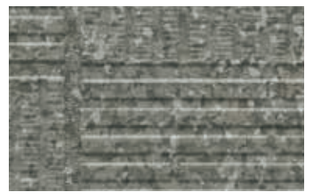


Note that the product numbers listed for secondary materials are recommendations (example combinations).

VGB-701

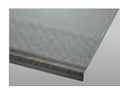
Welding rod V-701Y
Sealant VG-101
DRAIN RAIL EX VGR-2001
DRAIN RAIL VGD-1001
HOLLOW DRAIN EX II VCD-301
Same color STEP VLT/VST-701

VLT/VST-701



VGB-703

Welding rod V-703Y
Sealant VG-104
DRAIN RAIL EX VGR-2004
DRAIN RAIL VGD-1004
HOLLOW DRAIN EX II VCD-312
Same color STEP VLT/VST-703



VLT/VST-703

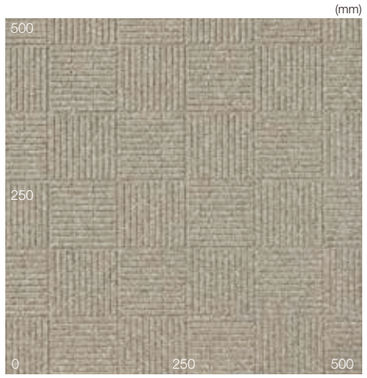
VGB-702

Welding rod V-702Y
Sealant VG-102
DRAIN RAIL EX VGR-2002
DRAIN RAIL VGD-1002
HOLLOW DRAIN EX II VCD-313
Same color STEP VLT/VST-702

VLT/VST-702

Same color The color is the same as the sheet, but the embossing is the Gio type.

(mm)



Please note that pattern matching is not available.

Inlaid flooring: A technique in which colored vinyl pieces or grains are spread or arranged and then heat-compressed to create patterns or designs.

VGB-703

AQUA

Weather Resistant | Heavy Commercial Use | Heat Shielding | Made in Japan
Slip Resistant | Antichemical | Mold Resistant | For Professional Use

A product especially for the poolside with a heat shielding function and soft finish that is gentle on bare feet.

・Specs

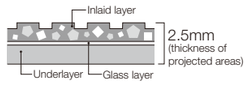
Width	Thickness (projected areas)	Length	Weight (roll)
1,820mm	2.5mm	10m	45.7kg

Material Classification: Heterogeneous Vinyl Floor Sheet FS

Subfloor	Mortar, Concrete	Urethane Waterproofing
Adhesive	Cement EP20, Cement VG	Cement VG
Seams	VIEWGISTA welding rod (heat welding)	
Edges	Edge Sealant	

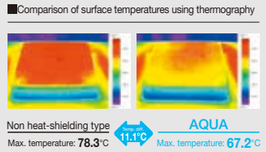
Please note that pattern matching is not available.

・Cross Section Image



・Emboss

■Comparison of surface temperatures using thermography

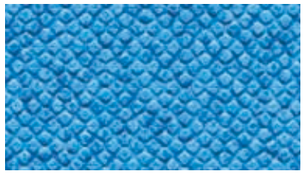


Under the scorching midsummer sun, the heat felt in the soles of the feet is reduced by reflecting the sun's rays, making walking easier.

For details on solar reflectance, see page 74.

VAQ-801 Welding rod V-801Y Edge sealant VAQ-801E
Same color/pattern STEP VST-801

VAQ-807 Welding rod V-807Y Edge sealant VAQ-807E

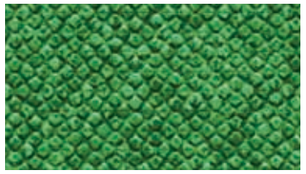


VAQ-802 Welding rod V-802Y Edge sealant VAQ-802E

VAQ-808 Welding rod V-808Y Edge sealant VAQ-808E

VAQ-803 Welding rod V-803Y Edge sealant VAQ-803E
Same color/pattern STEP VST-803

VAQ-809 Welding rod V-809Y Edge sealant VAQ-809E

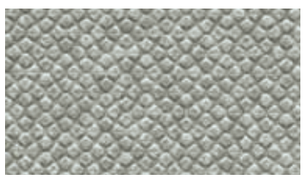


VAQ-804 Welding rod V-804Y Edge sealant VAQ-804E

VAQ-810 Welding rod V-810Y Edge sealant VAQ-810E

VAQ-805 Welding rod V-805Y Edge sealant VAQ-805E

VAQ-811 Welding rod V-811Y Edge sealant VAQ-811E



VAQ-806 Welding rod V-806Y Edge sealant VAQ-806E

VAQ-812 Welding rod V-812Y Edge sealant VAQ-812E

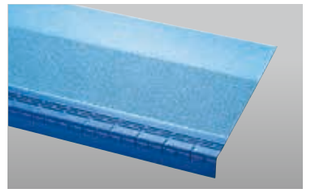
Weather Resistant | Super Heavy Commercial Use | Antichemical | Made in Japan
Slip Resistant | Visibility | Heat Shielding | For Professional Use

AQUA type for stairways For Stair Treads

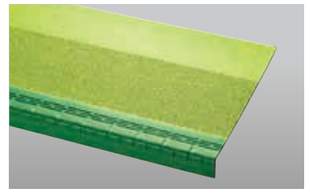
Material Classification: Vinyl flooring for weather resistant/ slip resistant stairways
Dimensions: 3.9mm (projected thickness) × 1,850mm (width) × 320mm (depth)
Stair nosing radius:5R (10R: build-to-order product)
Packing: 7 sheets (2 cement DBs included)/box
Weight: 2.2kg/sheet (1,850mm width)

* Available special order widths: 800mm, 850mm, 900mm, and 950mm to 1,950mm (in 100mm increments) and 2,000mm.
Please contact us for order criteria and production lead time information.
* Please provide sufficient anti-rust treatment when working with steel plate subfloor.
* Units cannot be joined together widthwise.
* Please contact us for 10R stair nosing products.

Subfloor	Mortar, Concrete, Steel Plate, Urethane Waterproofing
Adhesive	Cement VG
Seams	VIEWGISTA welding rod (heat welding)
Edges	Edge Sealant for VIEWGISTA STEP AQUA Type

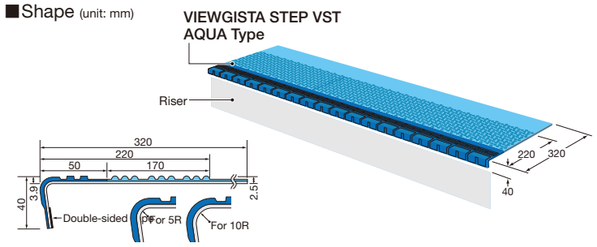


VST-801 Edge Sealant for VIEWGISTA STEP AQUA Type VAQ-801ET



VST-803 Edge Sealant for VIEWGISTA STEP AQUA Type VAQ-803ET

■Shape (unit: mm)



Weather Resistant | Heat Shielding | For Professional Use
Antichemical | Made in Japan

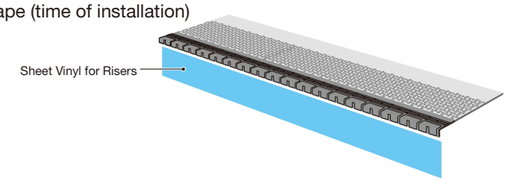
Sheet Vinyl for Risers

Material Classification: Weather Resistant Heterogeneous Vinyl Floor Sheet FS
Dimensions: 1.8mm (thickness) × 1,350mm (width) × 10m (length)
Packing: 20 m/roll
Weight: 27.0kg/roll

VGK-801

VGK-803

■Shape (time of installation)



VG Drain Rail EX/VG Drain Rail

Mold Resistant

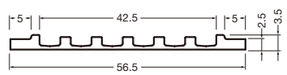
There are drain rails to prevent spraying of water flowing out of outdoor air conditioners. NEW

VG DRAIN RAIL EX Quiet, stumble-proof type

Dimensions: 3.5 mm (thickness) × 56.5 mm (width) × 25 m (length)
Packing: 25 rolls/case
Weight: 4.3 kg/case

- Subfloor: Mortar, Concrete, Urethane waterproofing
- Adhesive: Cement VG/Cement EP20
- Seams: VIEWGISTA Welding rod (Heat welding)
- Edges: VG Sealant MS

- Cross section (Unit: mm)



* Please make an even water gradient of 1/100 or higher.
* Using this product to drain hot water may lead to discoloring or deformation.
* If the subfloor is uneven, drainage water may be retained.


VGR-2001 HOLDER VGH-1001


VGR-2005 HOLDER VGH-1005


VGR-2002 HOLDER VGH-1002


VGR-2006 HOLDER VGH-1006


VGR-2003 HOLDER VGH-1003


VGR-2007 HOLDER VGH-1007

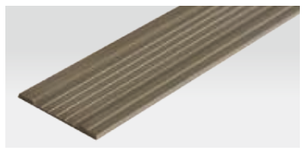

VGR-2004 HOLDER VGH-1004


VGR-2008 HOLDER VGH-1008

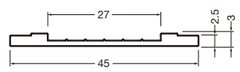
VG DRAIN RAIL Normal type

Dimensions: 3.0 mm (thickness) × 45 mm (width) × 25 m (length)
Packing: 25 rolls/case
Weight: 3.4 kg/case

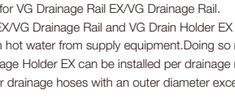
- Subfloor: Mortar, Concrete, Urethane waterproofing
- Adhesive: Cement VG/Cement EP20
- Seams: VIEWGISTA Welding rod (Heat welding)
- Edges: VG Sealant MS

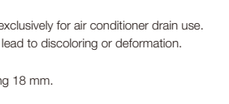


- Cross section (Unit: mm)



* Please make an even water gradient of 1/100 or higher.
* Using this product to drain hot water may lead to discoloring or deformation.
* If the subfloor is uneven, drainage water may be retained.


VGD-1001 HOLDER VGH-1001


VGD-1005 HOLDER VGH-1005


VGD-1002 HOLDER VGH-1002


VGD-1006 HOLDER VGH-1006


VGD-1003 HOLDER VGH-1003


VGD-1007 HOLDER VGH-1007


VGD-1004 HOLDER VGH-1004


VGD-1008 HOLDER VGH-1008

Air conditioner drainage channel connectors

VG Drain Holder EX

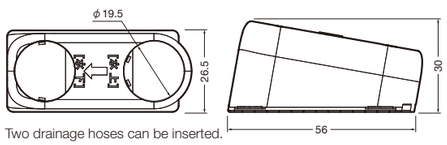
Common dedicated holder: VG DRAIN RAIL EX / VG DRAIN RAIL

NEW

Mold Resistant

Dimensions: See the figure below.
Packing: 20 holders, one tube of adhesive
Weight: 0.3 kg/set

- Configuration (Unit: mm)



Two drainage hoses can be inserted.


VGH-1001


VGH-1002


VGH-1003


VGH-1004


VGH-1005


VGH-1006


VGH-1007


VGH-1008

* Holder exclusively for VG Drainage Rail EX/VG Drainage Rail.
* VG Drainage Rail EX/VG Drainage Rail and VG Drain Holder EX are exclusively for air conditioner drain use. Do not use to drain hot water from supply equipment.Doing so may lead to discoloring or deformation.
* Only one VG Drainage Holder EX can be installed per drainage rail.
* Cannot be used for drainage hoses with an outer diameter exceeding 18 mm.

●Colors may differ from the actual product as this is printed matter.

VIEWGISTA HOLLOW DRAIN EX II/HOLLOW DRAIN HOLDER EX

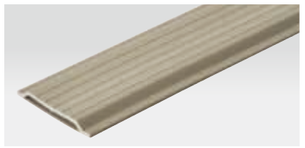
Mold Resistant

Hollow type for discreet drainage of runoff from air conditioners.

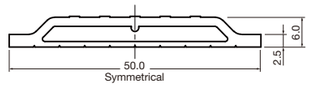
VIEWGISTA HOLLOW DRAIN EX II

Dimensions: 6.0 mm (thickness) × 50 mm (width) × 25 m (length)
Packing: 25 rolls/case
Weight: 5.5 kg/case

- Subfloor: Mortar, Concrete, Urethane waterproofing
- Adhesive: Cement VG/Cement EP20
- Seams: VIEWGISTA Welding rod (Heat welding)
- Edges: VG Sealant MS



- Cross section (Unit: mm)



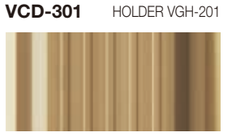
* Please make an even water gradient of 1/100 or higher.
* Using this product to drain hot water may lead to discoloring or deformation.
* If the subfloor is uneven, drainage water may be retained.

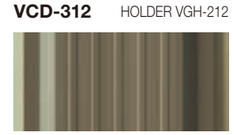

VCD-307 HOLDER VGH-207

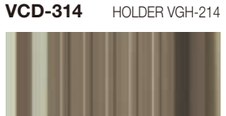

VCD-311 HOLDER VGH-211

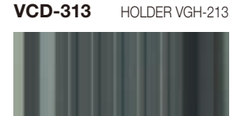

VCD-301 HOLDER VGH-201


VCD-312 HOLDER VGH-212


VCD-314 HOLDER VGH-214


VCD-313 HOLDER VGH-213


VCD-308 HOLDER VGH-208

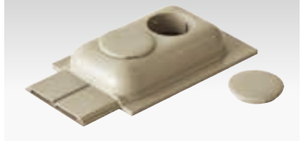

VCD-306 HOLDER VGH-206

Air conditioner drainage channel connectors (for use with VIEWGISTA HOLLOW DRAIN EX II)

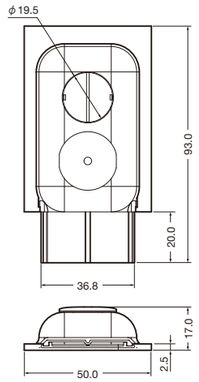
VIEWGISTA HOLLOW DRAIN HOLDER EX

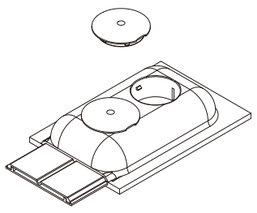
Dimensions: 50 mm (width) × 93 mm (depth) × 17 mm (height)
Packing: 20 holders, 40 caps, 1 tube of instant adhesive
Weight: 0.5 kg/set
Color number: VCH-2☐☐

Two drainage hoses can be inserted.



- Configuration (Unit: mm)





* The color number should be the last two digits of VIEWGISTA Hollow Drain EX II.(Example: VCH-201)
* VIEWGISTA Hollow Drain EX II and Hollow Drain Holder EX are sold as a set with VIEWGISTA.
* Hollow Drain EX II and Hollow Drain Holder EX are exclusively for air conditioner drain use.Do not use to drain hot water from supply equipment.Doing so may lead to discoloring or deformation.
* Cannot be used for drainage hoses with an outer diameter exceeding 18 mm.

Floor divider for under balcony separator

VG PARTITION

Installed under the balcony divider to prevent water from entering between adjacent apartments.

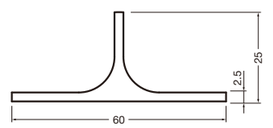
NEW

Mold Resistant

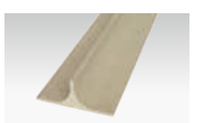
Dimensions: 25 mm (protrusion height) × 60 mm (width) × 1,350 m (length)
Packing: 6 m/roll
Weight: 4.6 kg/roll

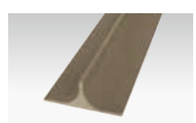
- Subfloor: Mortar, Concrete, Urethane waterproofing
- Adhesive: Cement VG/Cement EP20
- Seams: VIEWGISTA Welding rod (Heat welding)
- Edges: VG Sealant MS

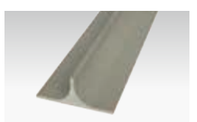
- Cross section (Unit: mm)

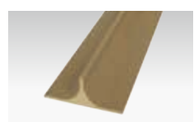


* Water may enter neighboring apartments depending on running water and other conditions.
* If the gap between the separator and the subfloor is less than 30 mm, this product cannot be installed.
* Do not place any objects on the protruding parts.
* VG PARTITION are sold as a set with VIEWGISTA.


VGM-101


VGM-102


VGM-104


VGM-107

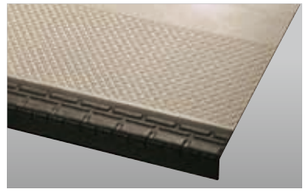
●Colors may differ from the actual product as this is printed matter.

Weather Resistant | Super Heavy Commercial Use | Antichemical | For Professional Use
Slip Resistant | Visibility | Made in Japan

VIEWGISTA STEP

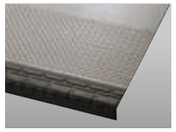
Four patterns to match the sheet and a yellow stair nosing for improved visibility are available for stairways.

Easy Clean Type

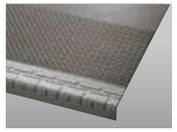


VLT/VST-4011 Welding rod V-401Y
VG Sealant VG-101

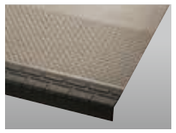
Easy to Clean | Mold Resistant



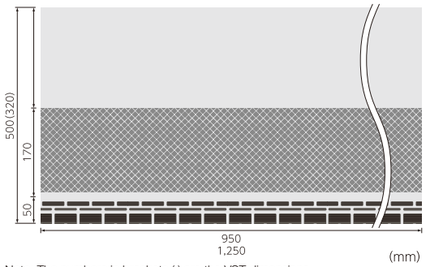
VLT/VST-4031 Welding rod V-403Y
VG Sealant VG-104



VLT/VST-4041 Welding rod V-404Y
VG Sealant VG-105

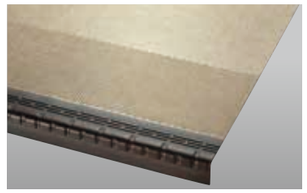


VLT/VST-4021 Welding rod V-402Y
VG Sealant VG-102



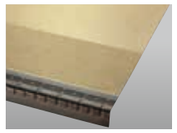
Note: The numbers in brackets ( ) are the VST dimensions.

Lattice Type

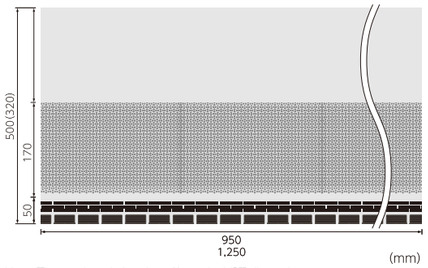


VLT/VST-600 Welding rod V-600Y
VG Sealant VG-101

VLT/VST-602 Welding rod V-602Y
VG Sealant VG-108

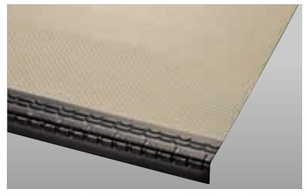


VLT/VST-601 Welding rod V-601Y
VG Sealant VG-106



Note: The numbers in brackets ( ) are the VST dimensions.

Hexa Type

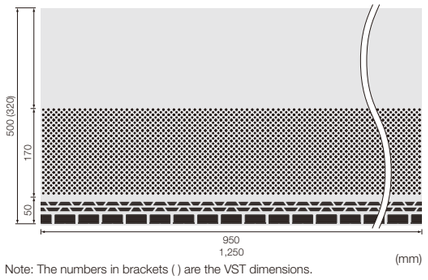


VLT/VST-401 Welding rod V-401Y
VG Sealant VG-101

VLT/VST-403 Welding rod V-403Y
VG Sealant VG-104

VLT/VST-404 Welding rod V-404Y
VG Sealant VG-105

VLT/VST-402 Welding rod V-402Y
VG Sealant VG-102

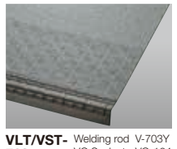


Note: The numbers in brackets ( ) are the VST dimensions.

Gio Type

VLT/VST-701 Welding rod V-701Y
VG Sealant VG-101

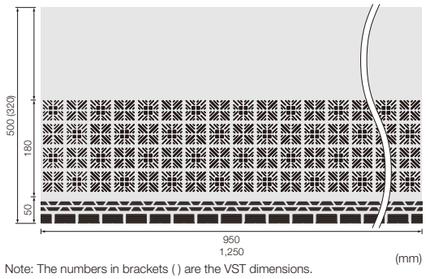
VLT/VST-704 Welding rod V-704Y
VG Sealant VG-104



VLT/VST-703 Welding rod V-703Y
VG Sealant VG-104

VLT/VST-702 Welding rod V-702Y
VG Sealant VG-102

VLT/VST-706 Welding rod V-706Y
VG Sealant VG-106

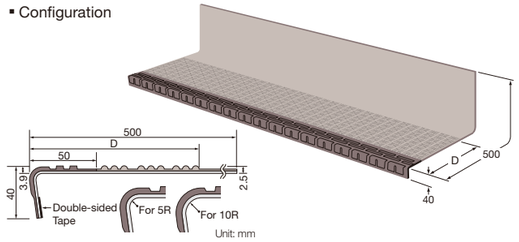


Note: The numbers in brackets ( ) are the VST dimensions.

Weather Resistant | Super Heavy Commercial Use | Antichemical | For Professional Use
Slip Resistant | Visibility | Made in Japan

VIEWGISTA **STEP VLT** Integrated Riser

▪ Configuration

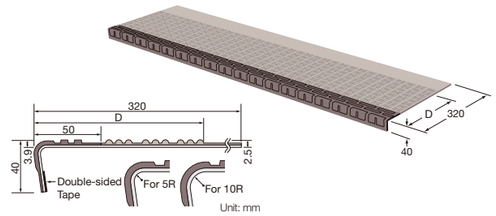


D=Gio: 230, other than Gio: 220

Material Classification: Weather and Slip Resistant Vinyl Flooring for Stairway Use
Dimensions: 3.9 mm (thickness of projected areas) x 950 mm (width) x 500 mm (depth)
3.9 mm (thickness of projected areas) x 1,250 mm (width) x 500 mm (depth)
Nosing Type: 5R (10R: Build-to-Order)
Packing: 7 units/case (1 can of Cement DB included)
Weight: 1.6 kg/unit (950 mm width), 2.1 kg/unit (1,250 mm width)

VIEWGISTA **STEP VST** For Stair Treads

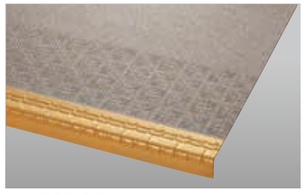
▪ Configuration



D=Gio: 230, other than Gio: 220

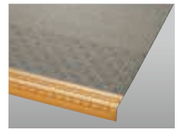
Material Classification: Weather and Slip Resistant Vinyl Flooring for Stairway Use
Dimensions: 3.9 mm (thickness of projected areas) x 950 mm (width) x 320 mm (depth)
3.9 mm (thickness of projected areas) x 1,250 mm (width) x 320 mm (depth)
Nosing Type: 5R (10R: Build-to-Order)
Packing: 7 units/case (1 can of Cement DB included)
Weight: 1.1 kg/unit (950 mm width), 1.5 kg/unit (1,250 mm width)

Yellow stair nosing type Build-to-Order

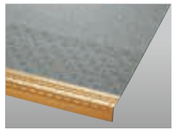


YVLT/YVST-701

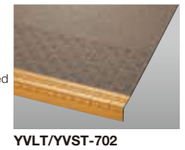
Note: The pattern and color of the steps can be selected from the four types on the left page.
Please specify by adding "Y" to the beginning of the product number.



YVLT/YVST-704



YVLT/YVST-703

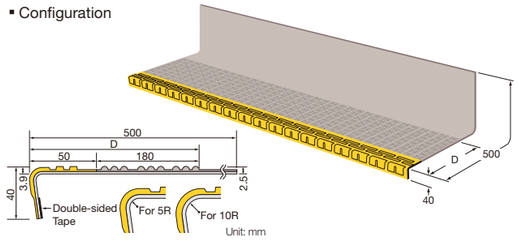


YVLT/YVST-702

YVLT/YVST-706

VIEWGISTA **STEP YVLT** Integrated Riser

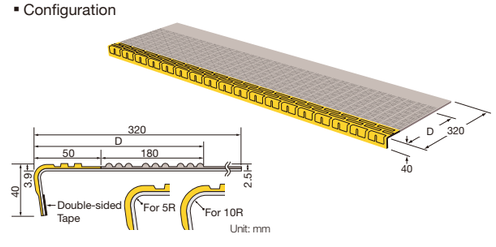
▪ Configuration



* The material classification, dimensions, packing, and weight are the same as Step VLT.

VIEWGISTA **STEP YVST** For Stair Treads

▪ Configuration



* The material classification, dimensions, packing, and weight are the same as Step VST.

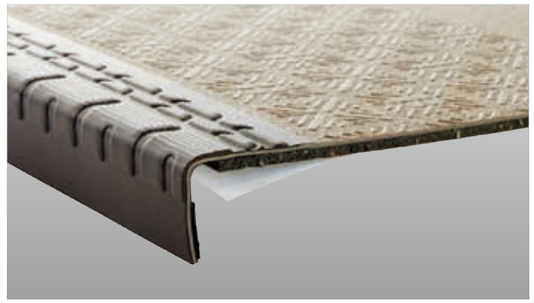
VLT, YVLT
VST, YVST
Common Items

- Subfloor :Mortar, Concrete, Steel plate, Urethane waterproofing
- Adhesive :Cement VG
- Seams :VIEWGISTA Welding rod (Heat welding)
- Edges :VG Sealant MS

* Available special order widths: 800 mm, 850 mm, 900 mm, and 1,050 mm to 1,950 mm (in 100 mm increments) and 2,000 mm.
Please contact us for order criteria and production lead time information.
* Please provide sufficient anti-rust treatment when working with steel plate subfloor.
* Units cannot be joined together widthwise.
* Please contact us for 10R stair nosing products.

VIEWGISTA **STEP CP/CP SHEET** Build-to-Order

Steps for checker plate with a foam layer attached to each Step VST pattern to improve quietness and an underlining sheet for the landing area.

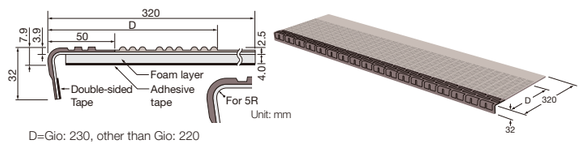


Sound Absorbing | Slip Resistant | Visibility | Made in Japan
Weather Resistant | Super Heavy Commercial Use | Antichemical | For Professional Use

VIEWGISTA **STEP CP** Build-to-Order For Stair Treads

Material Classification: Weather and Slip Resistant Vinyl Flooring with Foam Layer for Stairway Use
Dimensions: 7.9 mm (thickness of projected stair nosing) × 950 mm (width) × 320 mm (depth)
7.9 mm (thickness of projected stair nosing) × 1,250 mm (width) × 320 mm (depth)
Stair Nosing Type: 5R
Packing: 4 units/case (1 can of Cement DB included)
Weight: 1.7 kg/unit (950 mm width), 2.2 kg/unit (1,250 mm width)
Type: Corresponds to VIEWGISTA STEP colors
VST-□□□CP *□□□□ corresponds to each color product number
Minimum order: 4 cases (16 units) or more
Delivery time: Approx. 3 weeks

▪ Configuration



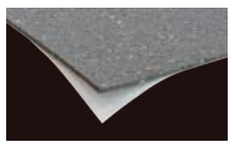
D=Gio: 230, other than Gio: 220

▪ Subfloor: Checker plate
▪ Basic specifications: VG Primer CP/VIEWGISTA STEP
▪ Stair nosing: Cement DB
▪ Seams: VG Sealant MS
▪ Edges: VG Sealant MS

* Available special order widths: 800 mm, 850 mm, 900 mm, and 1,050 mm to 1,950 mm (in 100 mm increments) and 2,000 mm.
Please contact us for order criteria and production lead time information.
* Units cannot be joined together widthwise.
* Please ask us about yellow stair nosing.
* The foam layer may turn reddish brown under ultraviolet light, but this is due to the characteristics of the raw material and does not affect performance (common to Step CP and CP SHEET).

CP SHEET Build-to-Order (underlaying sheet for the landing area)

Material Classification: Waste chip urethan foam with adhesive tape
Dimensions: 4.0 mm (thickness) × 310 mm (width) × 20 mm (roll)
Packing: 20 m/roll
Weight: 9.9 kg/roll
Minimum order: 1 roll or more
Delivery time: Approx. 3 weeks



▪ Cross section

▪ Subfloor: Checker plate
▪ Basic specifications: VG Primer CP/CP SHEET/Cement VG/VIEWGISTA
▪ Seams: VG Sealant MS
▪ Edges: VG Sealant MS

For details on the sound reduction effects of VIEWGISTA STEP CP and CP SHEET, see p. 75.

Guide Tile For indoor use

Rubber floor tiles for guiding the visually impaired in accordance with JIS T9251

Material Classification: Rubber floor tile for guiding the visually impaired
Dimensions: 7.0 mm (projection height: 5.0 mm) x 304.8 mm x 304.8 mm
Packing: 8 tiles/case
Weight: 5 kg/case (warning type guide tiles), 6 kg/case (guidance tiles)

▪ Subfloor: Mortar, Concrete
▪ Adhesive: Cement RV
▪ Seams: VG Sealant M

* Guide tiles and VIEWGISTA should be treated with VG Sealant MS with a 5 mm gap at the joints.
* Use a roller, rubber hammer, or similar tool to sufficiently set each tile in place.
* Please consult with us if you are considering using the product outdoors.

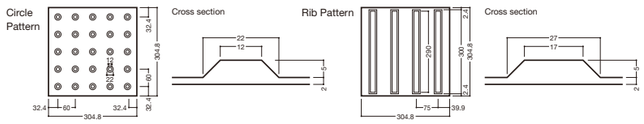
▪ Circle Pattern

JS-22 Medium Gray | JS-23 Dark Gray | JS-25 Medium Beige | JS-26 Dark Beige | JS-27 Yellow

▪ Rib Pattern

JL-22 Medium Gray | JL-23 Dark Gray | JL-25 Medium Beige | JL-26 Dark Beige | JL-27 Yellow

▪ Configuration (Unit: mm)



VG Sealant MS

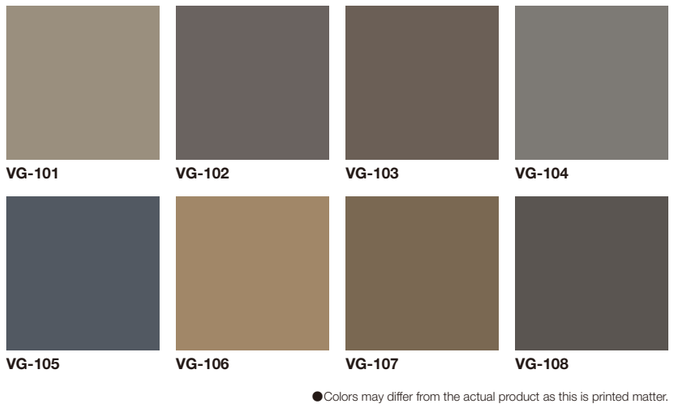
Sealant for VIEWGISTA edge treatment

Mold Resistant

Material: Modified silicone sealant
Quantity: 333 ml cartridge (2 cartridges/box)

▪ Application: Edge treatment for VIEWGISTA sheets and steps
▪ Subfloor: Mortar, concrete, urethane waterproofing
▪ Applicable flooring: VIEWGISTA PLUS, MULTI, SAND, GRAN

Surface hardening time
5°C: approx. 4 hours
35°C: approx. 40 minutes
(When humidity is 50%. Hardening time varies depending on the humidity at the time of installation.)
F☆☆☆☆



VG-101 | VG-102 | VG-103 | VG-104
VG-105 | VG-106 | VG-107 | VG-108

●Colors may differ from the actual product as this is printed matter.

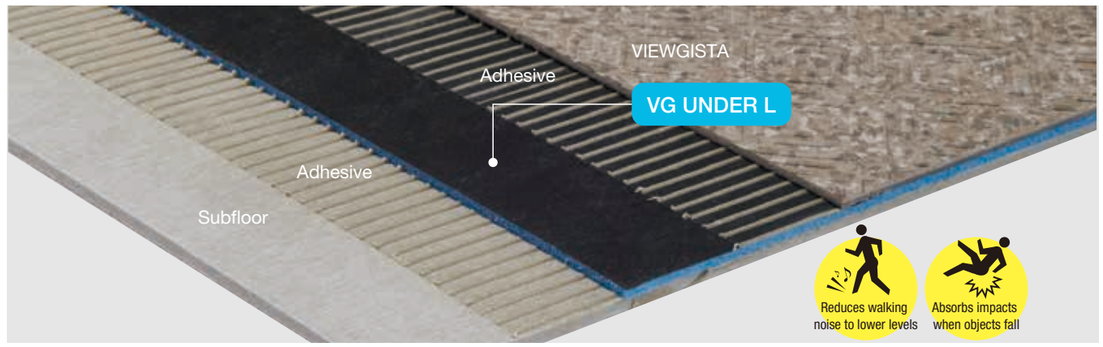
▪ VG Sealant MS and VIEWGISTA color number correspondence chart (recommended)

VG Sealant MS	VIEWGISTA (sheet)										
VG-101	VSH-401	VPC-401	VPA-401	VPA-405	VML-600	VML-660	VML-670	VGG-701	VGB-701		
VG-102	VSH-402	VPC-402	VSS-402	VPA-402	VML-672	VGG-702	VGB-702				
VG-103	VML-630	VPD-640	VPD-641	VML-650							
VG-104	VSH-403	VSS-403	VPC-403	VPA-406	VPD-642	VPD-643	VML-661	VML-671	VGG-703	VGB-703	VGG-704
VG-105	VSS-404	VSH-404	VPC-404	VML-603	VML-662	VML-673					
VG-106	VML-601	VML-651	VGG-706								
VG-107	VML-631	VML-652	VML-653								
VG-108	VML-602	VML-632	VML-633								

VG UNDER L

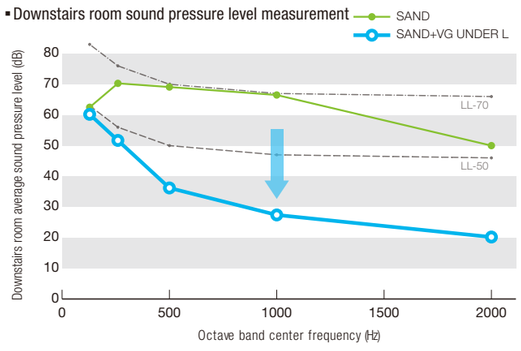
Combined with VIEWGISTA to create safety and security

This is an outdoor foam underlay sheet to be installed under VIEWGISTA.
It reduces concerning walking noise that is transmitted to lower floors and reduces the impact of a fall.



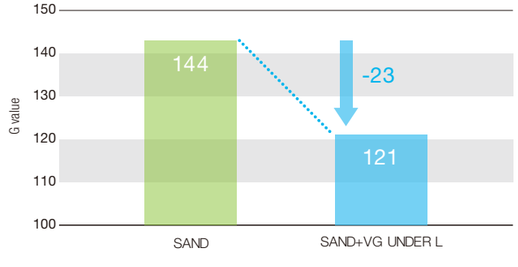
Walking in hard leather shoes and bags with caster wheels tend to generate noise when moving.The foam sheet VG Under L is effective in reducing these sounds transmitted to lower floors.
The sheet's foam also serves as a cushioning material, which absorbs and softens the impact in the unlikely event of a fall.
Designed exclusively for outdoor use, it can be used safely in combination with VIEWGISTA.

▪ Downstairs room sound pressure level measurement



* Testing methodology: In accordance with JIS A 1440-1 "Acoustics–Laboratory Measurements of the Reduction of Transmitted Impact Sound by Floor Coverings on a Solid Standard Floor."Concrete slab with a thickness of 150 mm.
* Sound insulation grade: Equivalent to LL-50 applicable.
* The results are measured values and are not guaranteed values.

▪ Comparison of impact (G Value) measurements

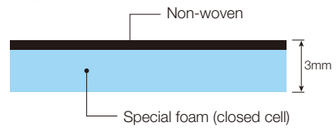


* The smaller the G Value, the safer it is considered.
* Test methodology: Floor hardness test (in accordance with JIS A 6519 "Steel Furring Components for Gymnasium Floors")
* The results are test values, not guaranteed values.

Dimensions: 3 mm (thickness) x 900 mm (width) x 20 m (length)
Packing: 20 m/roll
Weight: 3.0 kg/roll

- ▪ Applicable flooring: VIEWGISTA PLUS (except Quiet Walk), MULTI, SAND, GRAN, AQUA
- ▪ Applicable subfloor: Mortar, concrete, urethane waterproofing
- ▪ Adhesive: VG-Under-L top surface - Cement VG
  Subfloor side - Cement VG or Cement EP20

▪ Cross section



[Caution]

- ▪ Please install the sheet with the black side up.
- ▪ After installing VG Under L, cure the adhesive for at least 24 hours before installing VIEWGISTA.
- ▪ Note that in areas with heavy caster wheel traffic, indentation marks may remain.
- ▪ Impressions may be left on the floor when placing heavy objects. Please use coasters or other methods to redistribute weight. (Recommendation: 0.25 kg/cm2 or less)

CORNER GUARD

Step edge guard for balconies and floors

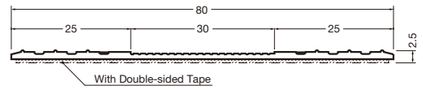
Protects the corners where urethane waterproofing tends to be a weak point.

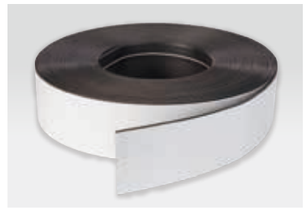
Dimensions: 2.5 mm (thickness) × 80 mm (width) × 30 m (length)
Packing: 30 m roll/case
Weight: 7.0 kg/case
Subfloor: Urethane waterproofing

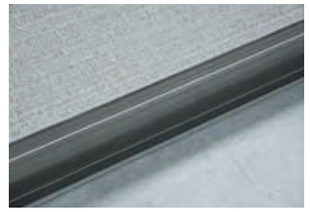
VCG-1

VCG-2

▪ Cross section (Unit: mm)







Note: Apply Stair Nosing Primer (sold separately) to the subfloor.

Image Simulation Service

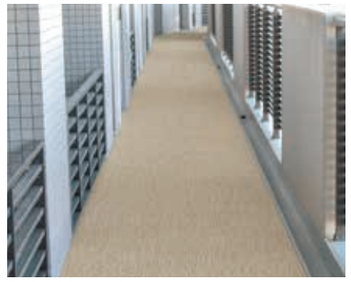
Digital image processing to share the completed image in advance

When considering refurbishments, we have launched an image simulation service to respond to the needs of those who want to know what kind of atmosphere will be created after installing VIEWGISTA or who want to share an image of the completed building in advance.
If you provide us with image data of the area, we will create an image of the floor, stairs, and so on with VIEWGISTA installed.
Several patterns can be applied for comparison.

* For details on the service, contact any Tajima branch or distributor.
* Note that this is only an image and may differ from the actual finished product.

Original image (current)

Images with VIEWGISTA installed



Pileline (VML-670)

Easy Clean (VPC-404)

Hardwood (VML-630)

Marble (VML-661)

1 After material is delivered, temporarily lay it and remove kinks

2 Finish material allocation and rough cutting

After cleaning the subfloor surface well, divide and cut the material to minimize the number of seams and to avoid small cut materials in the edges, and cut slightly longer.

3 Apply adhesive

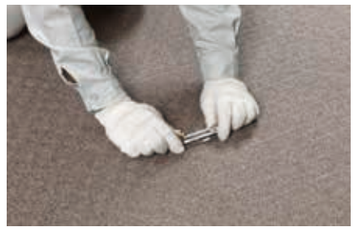
Apply the adhesive without leaving any residue.For Cement VG, the open time is about 15 minutes at 20°C.

4 Remove air bubbles

Install the product being careful not to trap air (drive out air from the center).

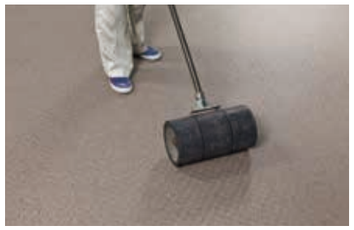
5 Treat the seams

Mark and cut the seams using a recess scriber or other specialized tools.



6 Applying pressure and curing

Perform sufficient pressure applying on the floor surface using a floor roller, hand roller, crimping stick, or the like to ensure that the subfloor and VIEWGISTA adhere to each other.After that, allow the adhesive to cure for at least 12 hours.



7 V (U) cut seams

V (U) cut the seams with a groove cutter.

8 Seam welding

Perform the thermal welding installation method using a speed nozzle 5 mm in diameter after the adhesive has hardened.(The VIEWGISTA designated welding rod is 4mm or 3.5mm in diameter*)

Welding rod diameter switch from 4mm to 3.5mm is ongoing. For details, please contact your nearest Tajima official distributor.

9 Cutting excess parts on the welding rod

After the weld has cooled, use a finishing knife to cut the weld twice.

10 Installing VG Sealant MS

10-1 Masking treatment

Remove dust, dirt, and so forth from the application surface, and if there is moisture, allow it to dry thoroughly before applying masking tape to ensure a clean finish.

10-2 Filling in edges

Cut the tip of the VG Sealant MS, and set it on the caulking gun for use.

10-3 Finishing the surface with a spatula

Immediately after filling with VG Sealant MS, smooth the surface with a finishing spatula.

10-4 Remove the masking tape

After finishing the surface, remove the masking tape.Do not touch the sealant for about 24 hours afterwards.

11 Curing

After cleaning, refrain from walking on the flooring as much as possible until the adhesive and VG Sealant MS have hardened.

VIEWGISTA STEP VLT Integrated Riser

For details, see the installation instructions.

1 Clean the subfloor

Remove sand, dust, dirt, and any other foreign matter.

Note: Please provide sufficient anti-rust treatment using anti-corrosive epoxy coating when installing on steel plate subfloor.

2 Roughly cut a flat section of VIEWGISTA STEP VLT into the bottom stair riser as a riser sheet

Measure the width and height of the bottom stair riser, cut VIEWGISTA STEP VLT, and use it as a riser sheet. The VIEWGISTA STEP VLT cut-offs can be used for the top landing area.

3 Apply adhesive to the bottom step

Apply Cement VG to the riser area of the bottom step using the included combing trowel. The open time is about 15 minutes at 20°C.

4 Install the cut VIEWGISTA STEP VLT on the bottom riser area.

After installation, use a hand roller to fully bond the VLT in place. Cut the riser sheet for the stair nosing at an angle.

5 Cutting VIEWGISTA STEP VLT

Use a scale or ruler to measure the width and depth of the tread area, and the width and height of the riser area, and then cut it.

I. When installing to the full width of the stairway
Cut the product about 3 mm shorter than the measured width of the tread and riser.

II. When installing the product by leaving space at the edge of the stairway
When leaving space at the edge of the stairway, measure the width of the stairway and mark the dimensions of the subfloor to be left opened in advance.
If there is a drainage groove on the stairway, cut VIEWGISTA STEP VLT about 5 mm in front of the drainage groove.

6 Apply adhesive to the bend area on the back of VIEWGISTA STEP VLT

Apply a bead of Cement DB with the thickness of 8 to 10 mm in diameter (about the size of a cigarette) to the bend area of the back of VIEWGISTA STEP VLT. The application should be made approximately 20 mm inward from both edges.
When the VIEWGISTA STEP VLT is installed, the adhesive spreads to the bend area of VIEWGISTA STEP VLT and adheres firmly.

7 Apply adhesive to the tread and riser area

Apply Cement VG to the entire surface of the tread and riser area with a combing trowel. The open time is about 15 minutes at 20°C.

8 Peel off the double-sided tape release paper

Slightly peel off the release paper of the double-sided tape attached to the back of the VIEWGISTA STEP VLT.(About 100 mm from the edge)

9 Install VIEWGISTA STEP VLT on the tread and riser area

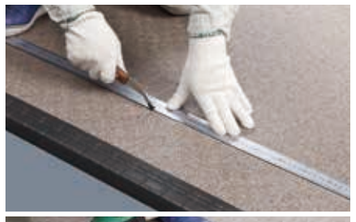
Place the bend part of VIEWGISTA STEP VLT on the stair nosing of the stairway, taking care not to generate a cavity in the bend part.

10 Applying pressure and curing

Apply pressure on the tread and riser area of VIEWGISTA STEP VLT with a hand roller or similar tool.
Be careful not to overcrimp the stair nosing area too much (because adhesive overflow and deformation of the product will occur). After checking that the adhesive has hardened, peel off all of the release paper from the double-sided tape at the stair nosing area, attach it, and then apply pressure on it with a hand roller or the like. After that, allow the adhesive to cure for at least 12 hours.

11 Treat the seams

For the seams between the sheet and VIEWGISTA STEP VLT, after the adhesive has hardened, cut a U-shape in the seam with a groove cutter to a width of 2 to 3 mm and heat-weld it using the designated welding rod. After welding is complete, cut the excess parts on the welding rod.



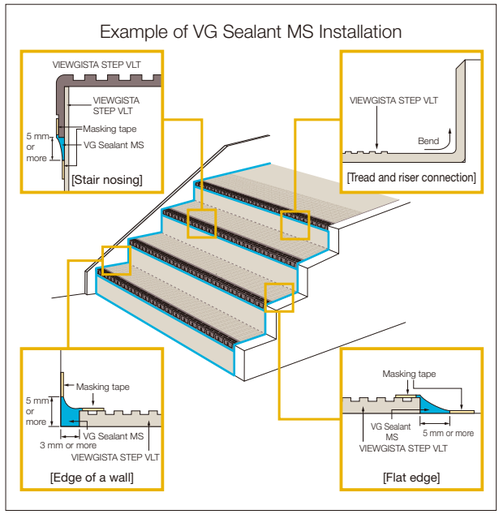
12 Apply masking tape on the edge

Cure with masking tape so that the sealing finish width of VIEWGISTA STEP VLT and VIEWGISTA edges is about 5 mm wide.

13 Finish the edges (seal all edges)

Set VG Sealant MS in the caulking gun and seal the edges. After sealing, finish using a finishing spatula or similar tool and remove the masking tape. Do not touch the sealant for 24 hours afterwards.

Example of VG Sealant MS Installation



14 Curing

After cleaning, refrain from walking on the flooring as much as possible until the adhesive and VG Sealant MS have hardened.

VIEWGISTA STEP VST For Stair Treads

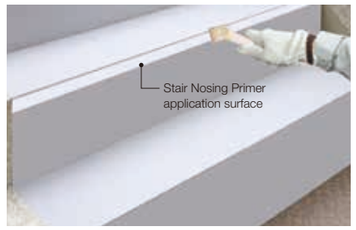
For details, see the installation instructions.

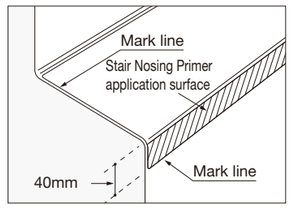
1 Clean the subfloor

Remove sand, dust, dirt, and any other foreign matter.

Note: Please provide sufficient anti-rust treatment using anti-corrosive epoxy coating when installing on steel plate subfloor.

2 Apply Stair Nosing Primer.





As shown in the figure, apply Stair Nosing Primer evenly to the shaded area of the subfloor (the area where the tape is attached at the bend on the back of the step: concrete and mortar subfloor surface) with a brush and let it dry for about 30 minutes.
Be careful not to stain the Stair Nosing Primer application surface, and do not allow it to dry for more than one day.

3 Cut VIEWGISTA STEP VST

Use a scale or ruler to measure the width and depth of the tread area, and the width and height of the riser area, and then cut it.

I. When installing to the full width of the stairway
Cut the product about 3 mm shorter than the measured width of the tread area.

II. When installing the product by leaving space at the edge of the stairway
When leaving space at the edge of the stairway, measure the width of the stairway and mark the dimensions of the subfloor to be left opened in advance.
If there is a drainage groove on the stairway, cut VIEWGISTA STEP VST about 5 mm in front of the drainage groove.
Additionally, cut the product about 3 mm shorter than the measured depth.

4 Apply adhesive to the bend area on the back of VIEWGISTA STEP VST

Apply a bead of Cement DB with the thickness of 8 to 10 mm in diameter (about the thickness of a cigarette) to the bend area of the back of VIEWGISTA STEP VST. When the VIEWGISTA STEP VST is installed, the adhesive spreads from the VIEWGISTA STEP VST bend area to the riser area and adheres firmly.

5 Apply adhesive to the tread area

Apply Cement VG to the entire surface of the tread area with a combing trowel. The open time is about 15 minutes at 20°C.

6 Peel off the double-sided tape release paper

Slightly peel off the release paper of the double-sided tape attached to the back of the VIEWGISTA STEP VST.(About 100 mm from the edge)

7 Install VIEWGISTA STEP VST on the tread area

Place the bend part of VIEWGISTA STEP VST on the stair nosing of the stairway, taking care not to generate a cavity in the bend part.

8 Applying pressure and curing

Apply pressure on the tread area of VIEWGISTA STEP VST with a hand roller or similar tool.
Be careful not to apply too much pressure on the stair nosing area (because adhesive overflow and deformation of the product will occur). After checking that the adhesive has hardened, peel off all of the release paper from the double-sided tape at the stair nosing area, attach it, and then apply pressure on it with a hand roller or the like. After that, allow the adhesive to cure for at least 12 hours.

9 Treat the seams

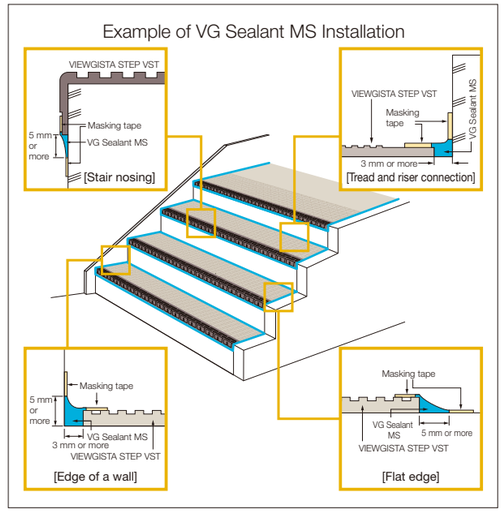
For the seams between the sheet and VIEWGISTA STEP VST, after the adhesive has hardened, cut a U-shape in the seam with a groove cutter to a width of 2 to 3 mm and heat-weld it using the designated welding rod.After welding is complete, cut the excess parts on the welding rod.

10 Apply masking tape on the edge

Cure with masking tape so that the sealing finish width of VIEWGISTA STEP VST and VIEWGISTA edges is about 5 mm wide.

11 Finish the edges (seal all edges)

Set VG Sealant MS in the caulking gun and seal the edges.After sealing, finish using a finishing spatula or similar tool and remove the masking tape.Do not touch the sealant for about 24 hours afterwards.



12 Curing

After cleaning, refrain from walking on the flooring as much as possible until the adhesive and VG Sealant MS have hardened.

VG Drain Rail EX/VG Drain Holder

For details, see the installation instructions.

1 Inspect and clean the subfloor

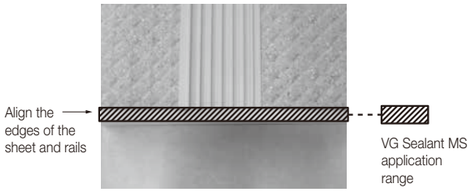
Ensure that the surface is smooth and that the water gradient is at least 1/100. Repair any roughness by cleaning or using mending materials.

2 Marking out

Check the position of the outdoor unit and the VG Drain Rail EX, and mark the position with a rail width of 57 mm.

3 Apply adhesive and install

Apply the adhesive without leaving any glue residue and secure the VG Drain Rail EX and VIEWGISTA. Cut off the drain side of the rail in line with the edge of the sheet.
After application, make sure to fully apply pressure on the entire surface.



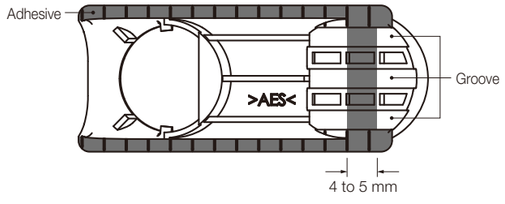
4 Treat the seams (heat welding)

After the adhesive has completely hardened, cut the seam in a V (U) shape and heat weld it with the VIEWGISTA designated welding rod.

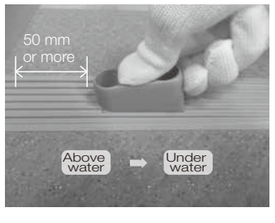
5 Install VG Drain Holder EX

(a) Apply the included adhesive to the position shown in the below figure on the back of the VG Drain Holder EX. To prevent water from backing up, apply adhesive in a 4 to 5 mm width to fill the three grooves.

<Underside of the VG Drain Holder EX>



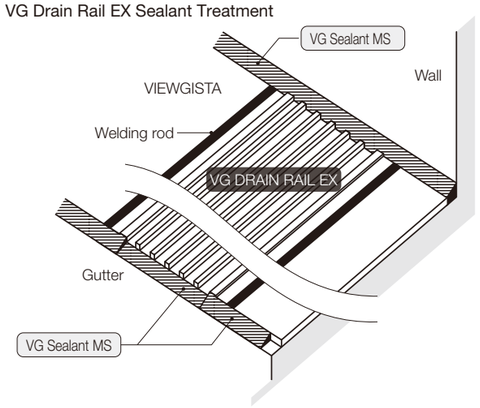
(b) Make sure that the [➡] marked on the top of the holder surface faces the drainage direction (toward the drain gutter) and install it at least 50 mm away from the wall. After installation, apply pressure by hand for about 5 seconds. (Insufficient pressure applying may cause peeling.)



6 Install VG Sealant MS

Install VG Sealant MS on the gutter side and wall side of the VG Drain Rail EX.

VG Drain Rail EX Sealant Treatment



Note: When installing VG Sealant MS on the gutter side (to ensure water keeps flowing), the convex part of the rail gutter should be covered with masking tape before installation.

Example of recommended masking treatment

(a) Firstly, use masking tape to cover the top of the rail.

(b) Next, use masking tape to cover the side of the convex on the rail.

7 Curing

After cleaning, refrain from walking on the flooring until the adhesive and VG Sealant MS have hardened.

Caution

- Secure the drainage hose at least one day after installation.
- VG Drain Rail EX and VG Drain Holder EX are exclusively for air conditioner drain use.
- Do not use to drain hot water from supply equipment.Doing so may cause discoloration, deformation, and overflow to occur.
- Only one VG Drain Holder EX can be installed per VG Drain Rail EX.

VIEWGISTA Hollow Drain EX II/Hollow Drain Holder EX

For details, see the installation instructions.

1 Inspect and clean the subfloor

Check the subfloor for dryness, strength, smoothness, and so on.
(a) Ensure the subfloor is sufficiently dry.
(b) Ensure the mortar surface strength is strong enough.
(c) The surface must be smooth and the water gradient must be at least 1/100.
Repair any roughness.
(4) Clean the subfloor surface thoroughly by removing protrusions and so on from the subfloor.

2 Mark out

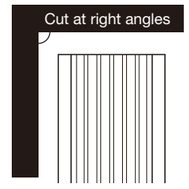
Check the position of the outdoor unit and other equipment to be installed and the drain hose.
After checking the position, mark out the width of Hollow Drain EX II (approx. 50 mm).
In order to obtain effective flow of water with the Hollow Drain EX II, mark out to the drain groove parallel to the water gradient.

3 Roughly cut Hollow Drain EX II

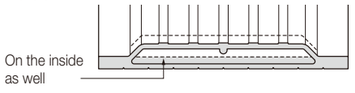
Rough cutting should be made with a margin of 30 to 50 mm from the prescribed installation dimensions.

4 Adhere Hollow Drain Holder EX

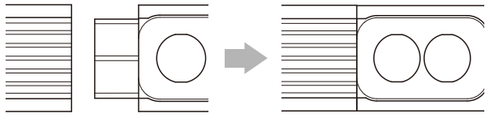
(1) Cut Hollow Drain EX II at a right angle.
Insert the cut area of the Hollow Drain Holder EX into the Hollow Drain EX II until it touches the opening of the Hollow Drain Holder EX, and check that the top and bottom surfaces are touching without any gaps.



(2) Apply instant adhesive to the cross-sectional part of Hollow Drain EX II and the entire inner 3 mm circumference (the gray part in the figure below).
Make sure to use the adhesive included with Hollow Drain Holder EX.

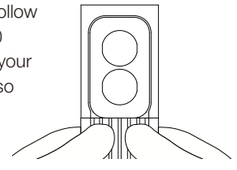


(3) Insert the cut area of Hollow Drain Holder EX into Hollow Drain EX II to the end (20 mm) and adhere it.



5 Applying pressure

Adhere Hollow Drain EX II and Hollow Drain Holder EX. Press (about 30 seconds to 1 minute) firmly with your fingers of both hands to adhere so that water does not leak.



6 Apply adhesive

Apply Cement VG or Cement EP20 to the inside of the marked area. Then take the appropriate open time.

7 Install Hollow Drain EX II

Install Hollow Drain EX II at the marked position. Install from the wall (leaving space for sealant) and attach the drain side so that it overhangs.

8 Crimping Hollow Drain EX II

To ensure that Hollow Drain EX II adheres sufficiently to the subfloor, use a hand roller to apply pressure on it within the bonding time.
After applying pressure, cut at the edge of the drain.

9 Installing VIEWGISTA

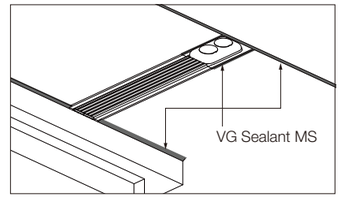
Follow the VIEWGISTA installation instructions.
Mark and cut the seams using a recess scriber or other specialized tools.

10 Seam treatment of Hollow Drain EX II and sheet

(1) After the adhesive has completely hardened, cut the seam between Hollow Drain EX II and the sheet in a V (U) shape and heat weld it with the VIEWGISTA designated welding rod.
Hollow Drain Holder EX cannot be welded.
(2) After welding is complete, cut the excess parts on the welding rod to align with VIEWGISTA.

11 Install VG Sealant MS

Install VG Sealant MS at the joint between the side of the Hollow Drain Holder EX and the wall.
Cure the surrounding area with masking tape and use a cartridge gun. Apply VG Sealant MS treatment to the edges of the VIEWGISTA sheet, but do not seal the drain side of the Hollow Drain EX II.



12 Curing (about 24 hours)

After cleaning, cure the adhesive and VG Sealant MS to prevent stepping on it until it hardens.

Caution

- Secure the air conditioner drainage hose one day after installation.
- Hollow Drain EX II and Hollow Drain Holder EX are exclusively for use with VIEWGISTA.
- Always use in combination with VIEWGISTA.
- Hollow Drain EX II is exclusively for air conditioner drain use. Do not use to drain hot water from supply equipment. Doing so may cause discoloration, deformation, and overflow to occur.

For details, see the installation instructions.

<About the surface base that can be installed>

・Applicable subfloor
Urethane waterproofing
Caution: Smooth the subfloor so that there are no rough surfaces.

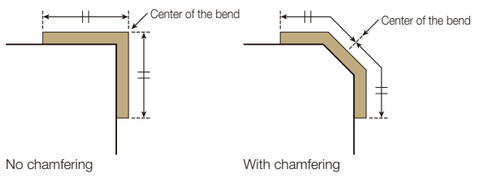
・Size

1 Inspection and cleaning of the subfloor

(a) Check the subfloor for protrusions and extreme roughness. If there are any rough surfaces, especially in the chamfer area, smooth out the unevenness with VG Sealant MS or urethane sealant, and move on to the next process after hardening.
(b) After smoothing, clean to remove dust and other dirt.

2 Marking out

Determine the bend position of the corner guard and check the installation position. After checking the position, mark out the position.
・Positioning the corner guard
Align the corner guard so that the center of the corner guard width size (40 mm from the edge) is in the center of the bend part. If the upstand height is low, shift the corner guard width direction to the flat side and position it so that there is no excess corner guard at the upstand.



3 Applying Stair Nosing Primer

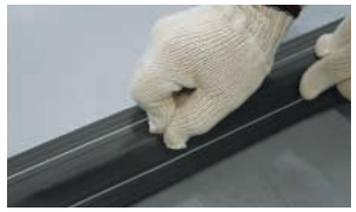
Apply Stair Nosing Primer (sold separately) with a brush or roller to the area to be covered with corner guard and allow it to dry until the surface is dry.
(Approximate amount to use: 30 m/can of corner guard, approximate drying time: 60 minutes or so)
Be careful not to drip Stair Nosing Primer on upstand surfaces.
Be careful not to stain the surface where Stair Nosing Primer is applied, and install corner guards on the same day.

4 Install corner guards

(a) Cut
Cut the required length. You should cut a little longer to have room to spare.

(b) Install flat area
Align the edge of the corner guard in alignment with the markings on the flat area and peel off the release paper while installing the corner guard. When doing so, apply pressure with hand rollers or by hand wearing cotton work gloves to prevent air bubbles.

(c) Install the bend part
While pulling the corner guard down, install it while bending it, being careful to prevent air bubbles.



(d) Install the upstand area
Install with care, allowing air to escape underneath and to the side to prevent air from entering.

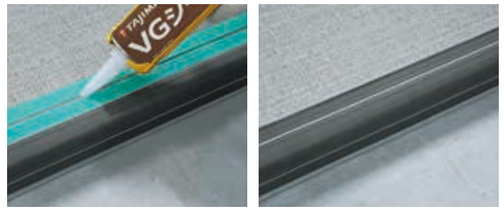
(e) Apply pressure on the entire surface
Lastly, apply pressure on the entire surface sufficiently so that there is no lifting or peeling.

5 Install VIEWGISTA

Install VIEWGISTA, leaving a gap of 3 to 5 mm between the corner guard and the edge of VIEWGISTA.
For installation details, see the VIEWGISTA installation procedure.

6 Treat the edges

Apply VG Sealant MS after curing the edges of the corner guard and the gap between the corner guard and VIEWGISTA with masking tape. After completing the finishing work with a spatula, remove the masking tape immediately.



Maintenance

Maintenance cycle

Daily cleaning

・Work performed by the owner

Small trash collection

Collect small trash with a broom or other means.

Damp cloth cleaning

Remove dirt with a squeezed mop by cleaning the area.

Partial stain removal

Use a deck brush and scrub with a detergent.

Periodic cleaning

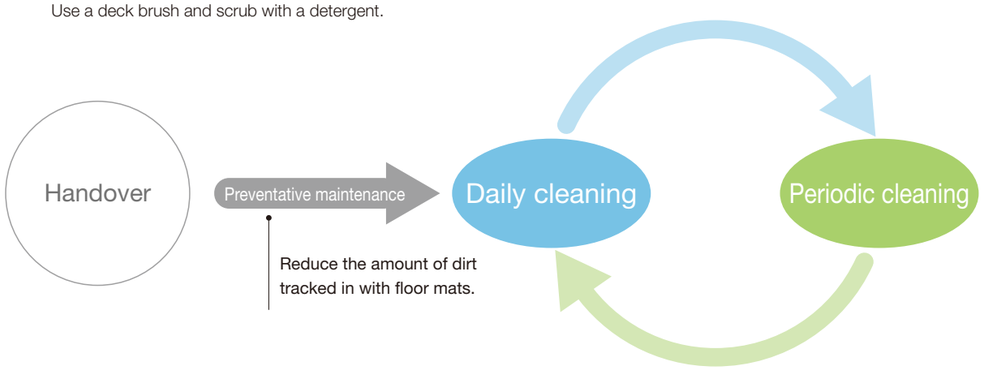
・Work performed by professional cleaners

Entire surface clean

Use a polisher to clean the entire surface with detergent.

Partial stain removal

Use a deck brush and scrub with a detergent.

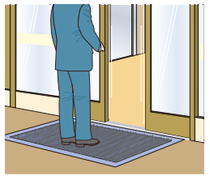


By understanding the proper use and maintenance of VIEWGISTA,
you will be able to use it for a longer period of time, keeping it pleasant and beautiful.

How to perform maintenance

・Before performing maintenance (installation of mats)

- Mud mats should be placed at entrances and in front of elevator lobbies to prevent soil and sand from entering the building. Mats should be cleaned and replaced frequently. Oil-based mats and dust-removing cloths may cause dirt to adhere to the VIEWGISTA.



・How to perform maintenance

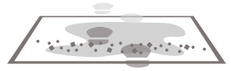
- Remove sand, dust, and dirt with a broom or brush, and then wipe with a squeezed mop to remove stains.
- If the flooring is partially stained, use a floor cleaner or a neutral detergent diluted in lukewarm water to the prescribed strength and scrub with a deck brush or similar tool. After cleaning, rinse with clean lukewarm water to remove any detergent residue, wipe up with a clean mop, and dry well.

* Detergent residue or puddles may cause an accidental fall or re-contamination.
* If used outdoors or semi-outdoors, avoid applying wax as UV rays will cause discoloration and deterioration.

Precautions for Use

<Installing anti-stain mats>

Water leaks and tracked sand may cause slippery conditions leading to a fall, so install mats to prevent rainwater and sand from being tracked in. If any is tracked in, it should be removed immediately.



<Repair peeling as necessary>

If any peeling, warping, swelling, or cracking of the flooring occurs, contact a professional contractor for immediate repair. If left as is, accidents can occur, such as tripping and falling, or stepping on lifted flooring and slipping.

<Moving heavy objects>

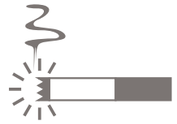
Note that dragging heavy objects by force may cause scratches or peeling.

<Be cautious of sharp or heavy objects>

Note that localized loads, such as high heels, umbrellas, and furniture, may dent (damage) the surface.

<Burns from cigarettes>

Do not throw cigarettes away or step on them to extinguish them as cigarette fire will leave burn marks.



<Beware of rubber stains>

Contact with tires and other rubber products may cause black or yellowish brown marks on the surface of the vinyl flooring.This is the anti-aging agent and process oil in the rubber that is expelled, leaving a mark.Replace with rubber that does not seep out or use a protective plate.

<Chemical stains>

Wood preservatives and termiticides may cause the flooring to turn yellow or brown.*

* Also be careful when using liquid fertilizers and insecticides.

<Stain resistance>

Remove sediment and debris regularly to maintain the aesthetics.

<Getting wet for a long time>

The floor sheet may temporarily appear white if it remains wet for an extended period of time in a high-temperature, high-humidity (summer) environment.The sheet gradually returns to normal as water evaporates and dries out.

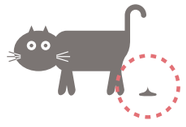
--- Places water tends to accumulate ---

How to handle different types of stains

・If dirt adheres to the surface, remove it immediately; do not leave it as is.

Fecal matter from pets and birds

Wipe it off immediately, use detergent to remove the stain, and rinse with water. If left as is, problems, such as discoloration, may occur.



Kerosene and paint thinner

Wipe it off immediately, use detergent to remove the stain, and rinse with water.If left as is, problems, such as floor swelling, may occur.

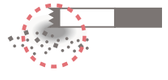
* Do not use organic solvents, such as paint thinner, to remove stains.

Planter soil

Sweep dirt away with a broom, use detergent to remove the stain, and rinse with water.

Cigarette burns

Use detergent to remove ash stains, and then rinse with water.If the scuff marks are minor, first scrape the scuff marks with sandpaper and finish.

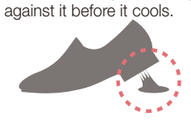


Oil dripping from a ventilation fan

If left as is, it will be difficult to remove, so wipe it off immediately, use detergent to remove the stain, and rinse with water.

Stuck gum

Put ice in a bag, cool the chewing gum well to harden it, and then remove it without damaging the floor with a spatula or similar tool.Warm any chewing gum that cannot be removed with a hair dryer and remove it by repeatedly pressing duct tape against it before it cools.



Certifications and Accreditations

・Sheet type

Product name	VIEWGISTA						
	PLUS			MULTI	SAND	GRAN	AQUA
	Easy Clean	Easy Walk	Quiet Walk				
Japanese Industrial Standard (JIS A5705)	JIS	JIS	–	JIS	JIS	JIS	JIS
Flame resistance testing number	E1160052	E1180085	E1160051	E1160050	E1160048	E1160047	E1160049
FloorScore® Certification	floor score		–	floor score			
Low VOCs	Low VOCs						

Product name	VIEWGISTA STEP				
	VLT	YVLT	VST	YVST	CP*
Flame resistance testing number	E1140159	E1140184	E1140159	E1140184	E1180095
Low VOCs	Low VOCs				

Note: CP SHEET is not applicable.

・Adhesive

Product name	Cement VG	Cement EP20	Cement RV
Type	Urethane resin	Epoxy resin	Rubber
Japanese Industrial Standard (JIS A5536)	JIS		
Formaldehyde emission grade	F☆☆☆☆		

Explanation of icons and symbols

Weather Resistant Weather resistant
Indicates flooring with excellent performance under outdoor use conditions such as ultraviolet rays.

Slip Resistant Slip resistant
Indicates flooring with a non-slip feature.

Heavy Commercial Use / **Super Heavy Commercial Use** Abrasion resistant
Indicates that the flooring is resistant to abrasion caused by normal walking, and dirt and sand tracked in.

Shock Absorption Shock absorption
Indicates flooring with a foam layer that provides high shock absorption and offers safety in the event of a fall.

floor score FloorScore® Certification
This symbol is displayed on products that have been certified for indoor air quality by the U.S. Resilient Floor Covering Institute (RFCI) and the third-party certification body SCS.

For Professional Use For professional use
This is a product that must installed by a contractor with expertise and skills.

Antichemical Chemical resistance
Indicates flooring that is resistant to discoloration and coloration from common chemicals.

Easy to Clean Easy to clean
Indicates flooring with an emboss shape that makes it easy to sweep sand and dust off the floor.

Sound Absorbing Sound absorbing
Indicates flooring that has the ability to reduce the sound generated when walking.

Low VOCs A symbol displayed on low VOCs.

Mold Resistant Mold resistance
Indicates that the flooring has the ability to inhibit mold growth.

Heat Shielding Heat shielding performance
Indicates flooring with a function to reduce the rise in sheet surface temperature due to reflection of near-infrared field of sunlight.

Visibility Visibility
Indicates that the flooring has excellent visibility.

Made in Japan Made in Japan
These are products manufactured in Japan.

・Technical Data

DATA 1 Weather resistant

Weather Resistant

Excellent weather resistance against ultraviolet rays and rainwater

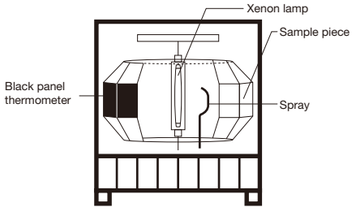
Flooring in outdoor areas, such as public corridors and balconies of apartment buildings, may discolor or deteriorate due to ultraviolet rays from sunlight, rainwater, temperature changes, and other natural phenomena.In particular, ultraviolet rays accelerate the deterioration of plastics, so one measure of weather resistance is how well the plastic can withstand ultraviolet rays.
We conduct accelerated weather resistance testing under outdoor conditions by irradiating xenon arc lamps with a wavelength range similar to that of sunlight to check for color changes.

Test Procedure

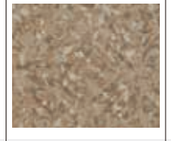
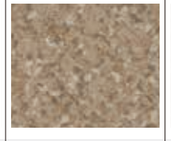
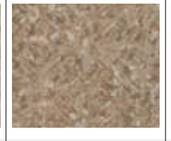
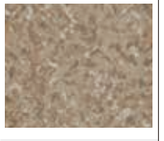
- JIS A 1415 "Methods of exposure to laboratory light sources forpolymeric material of buildings" WX-A method Cycle No.1
- Xenon arc lamp irradiation conditions: JIS K 7350-2
- Radiation intensity: 60±2 W/m² [300 nm to 400 nm], 0.51±0.02 (W/m²-nm) [340 nm]
- Filter: Daylight filter
- Black panel temperature: 63±3°C
- Humidity: 50±10
- Water spray cycle: 120 minutes irradiation, 18 minutes spraying

Note: The irradiation time was evaluated based on 150 hours of irradiation based on JIS A 1454 "Test methods-Resilient floorcoverings" and the irradiation time exceeding 2,500 hours of weather resistance evaluation based on JIS A 6909 "Coating materials for textured finishes of buildings".

Xenon lamp weather resistance tester



Test Result

Product Name	Before irradiation	After 1000 hours	After 2000 hours	After 3000 hours	After 4000 hours
MULTI Hardwood VML-630					
SAND Hexa VSH-403					
GRAN Gio VGG-701					
AQUA VAQ-801					

VIEWGISTA showed no significant change in color tone nor appearance after 4,000 hours of UV irradiation.

Note: The degree of accelerated deterioration differs depending on the surrounding environment as it is caused by a combination of conditions such as ultraviolet rays, rainwater, and temperature.

DATA 2 Slip resistant

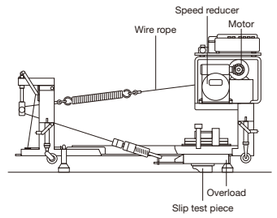
Mechanism of safe walking, not only "slippery/non-slippery"

One of the most important performance requirements for floors is floor slippage. It goes without saying that slippery floors are dangerous, but even extremely slip resistant floors pose the risk of tripping and falling, so appropriate slip resistance is required. The three conditions are as follows:
(1) Should not be extremely slippery when clean.
(2) Should not be slippery when water or sand is on the surface.
(3) Difference in slipperiness between the clean state and watery/dirty state should be small.

C.S.R. was measured using O-Y/PSM in accordance with actual walking gait. The higher the C.S.R. value, the less slippery it is considered to be. Because VIEWGISTA is used in open corridors and on rooftops, tests were conducted under a clean state and under a water + dust state assuming sediment.

Test Procedure

JIS A 1454 "Test methods-Resilient floorcoverings"
A slip piece (assuming a man's hard-soled shoe) is affixed to the O-Y/PSM testing machine, and after a specified preload time with a deadweight of 80 kg, the load is pulled at a speed of 80 kg/second, and the value (C.S.R.) obtained by dividing the maximum tensile load by the deadweight was used as the evaluation index for slip resistance.
* The deadweight was the weight of one foot of a person weighing 60 kg walking at a brisk pace.
* Clean state: Evaluation of the flooring material's surface free of deposits, sediment, and applied substances.
* Water + dust: Evaluation based on the assumption that rainwater or sediment has been tracked in, such as around an entrance.

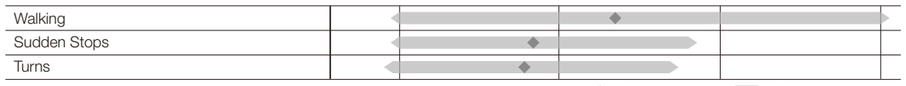


$$\text{C.S.R value} = \frac{\text{Maximum tensile load}}{\text{Deadweight (80 kgf)}}$$

Test Result

(A) Optimal slip value and permissible value range (step feeling statistics while walking in footwear)

Note: For men's hard-soled shoes



(B) Slip measurement results

		With water and dust present on surface	Clean surface
VIEWGISTA GRAN	Gio	0.62	0.84
	Block	0.52	0.85
VIEWGISTA MULTI	Hardwood	0.52	0.83
	Softwood	0.58	0.84
	Pileline	0.61	0.81
	Marble	0.55	0.79
	Lattice	0.63	0.85
VIEWGISTA SAND	Hexa	0.63	0.88
	Stone	0.54	0.89
VIEWGISTA PLUS	Easy Walk	0.58	0.80
	Easy Clean	0.55	0.85
	Quiet Walk	0.59	0.77
VIEWGISTA AQUA		0.59	0.83
VIEWGISTA STEP	Gio Type	0.65	0.80
	Lattice Type	0.57	0.84
	Hexa Type	0.60	0.82
	Easy Clean Type	0.55	0.82
	AQUA Type	0.58	0.81
P TILE (vinyl tile flooring)		0.46	0.75
Ordinary long sheet		0.49	0.81

Note: These figures are testing values and are not guaranteed values.

VIEWGISTA is close to optimal values in both in terms of the cleaned and water+dust state. In particular, the water + dust state resulted in less slippage than ordinary sheet vinyl flooring and tiles.

Note: The slip sensation varies depending on actual usage conditions (snow or ice on the flooring, type of footwear, state of motion, and so on).Please walk with caution.

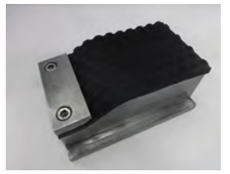
Slip evaluation of bare feet at poolside (C.S.R-B value)

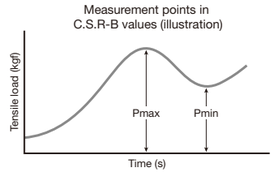
The slip resistance of VIEWGISTA AQUA was evaluated using the C.S.R-B value, which is the evaluation method used when walking barefoot on a wet floor.Generally, a C.S.R-B value of 0.70 or higher is desirable for safe walking.

Test Procedure

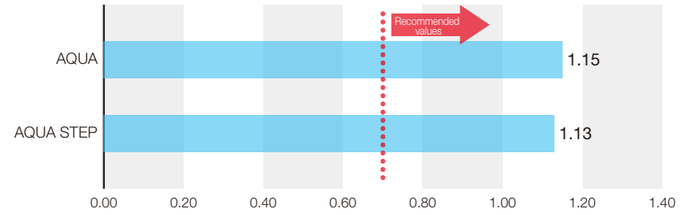
The slip piece was changed to a barefoot slip piece and the same test as for the C.S.R measurement was performed. The maximum tensile load Pmax and minimum load Pmin at that time were measured, and C.S.R-B was calculated from the following formula:

$$\text{C.S.R-B value} = \frac{\text{Pmax(kgf)}}{\text{80(kgf)}} + \frac{\text{Pmin(kgf)}}{\text{80(kgf)}}$$





Test Result



VIEWGISTA AQUA exceeded the recommended values for both sheets and steps, confirming its safety for walking barefoot.

[Reference: Architectural Institute of Japan, Floor Performance Evaluation Guidelines]

Note: These figures are testing values and are not guaranteed values.

DATA 3 Dimensional stability

Small dimensional change even outdoors where temperatures vary significantly

Outdoor flooring may break at welds and edges between sheets due to thermal expansion and contraction caused by sunlight and temperature changes. To maintain aesthetics and long-term pleasantness, flooring must be resistant to dimensional changes caused by heat.

Test Procedure

We applied accelerated thermal degradation treatment to VIEWGISTA and tested how much thermal expansion and contraction it exhibits.(In-house proprietary method)
The samples were left in an 80°C environment for 6 hours, 30, 60, and 120 days, and the rate of dimensional change was measured.

Test Result

Number of test days	Vertical (%)	Horizontal (%)
Pre-treatment	0	0
6 hours	–0.08	–0.07
30 days	–0.08	–0.07
60 days	–0.06	–0.07
120 days	–0.07	–0.06
In-house standard	±2.00	±2.00

VIEWGISTA met in-house standards in both the vertical and horizontal directions.
The glass layer of VIEWGISTA prevents thermal expansion and contraction, confirming its suitability for long-term outdoor use.
The actual expansion and contraction is even smaller because it is fixed to the subfloor with adhesive.

DATA 4 | Shock Absorption

Shock Absorption

Increased safety in the event of a fall

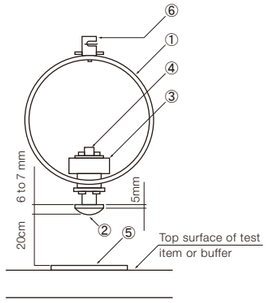
When a person falls while walking, the slightest thing can cause an injury or fracture. The shock absorption of a floor is expressed as its G value (impact acceleration at the time of a fall). Due to the softness of the material, VIEWGISTA is effective at absorbing the shock of a fall.

The G Value is a numerical value that represents the impact of the head model on the floor as if the head were to collide with the floor.
The smaller the G Value, the smaller the impact and the higher the safety rating.

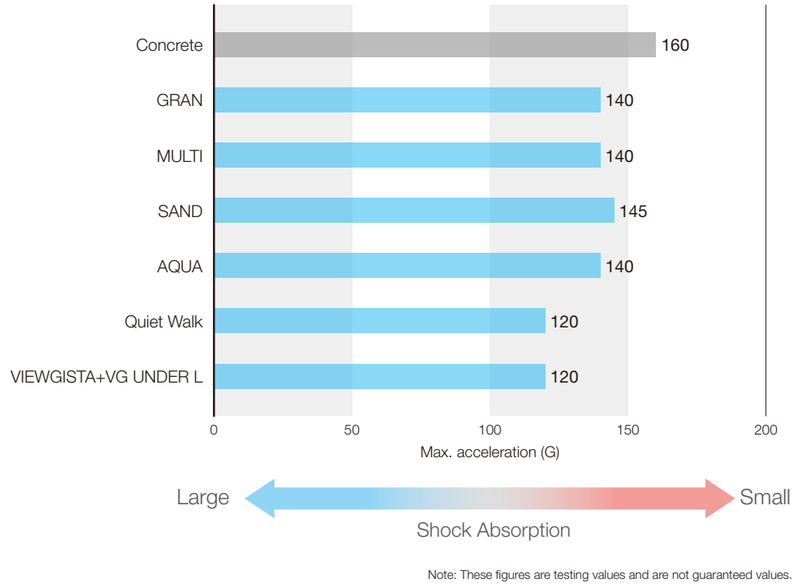
Test Procedure

JIS A 6519 "Steel Furring Components for Gymnasium Floors"
A 3.85 kg model of a head containing an accelerometer was allowed to fall freely from a height of 20 cm onto a rubber plate laid over the flooring at a designated point. The maximum acceleration upon impact was measured to determine the hardness (G) at the time of fall and impact.

・Floor hardness measuring equipment
(1) Steel frame (outer diameter: 216.3 mm, thickness: 8.2 mm, width: 40 mm)
(2) Steel head (radius of curvature 25 mm, diameter 50 mm)
(3) Weight (1.34 kg)
(4) Accelerometer
(5) Rubber plate (8 mm thick, Shore A hardness 37, 300 x 150 mm in size)
(6) Suspension fixture



Test Result



Note: These figures are testing values and are not guaranteed values.

Compared to concrete, each sheet improved by about 20 G, and the combination with "Quiet Walk" and VG Under L, which has a foam layer, improved by about 40 G.

DATA 5 | Abrasion resistant

Heavy Commercial Use | Super Heavy Commercial Use

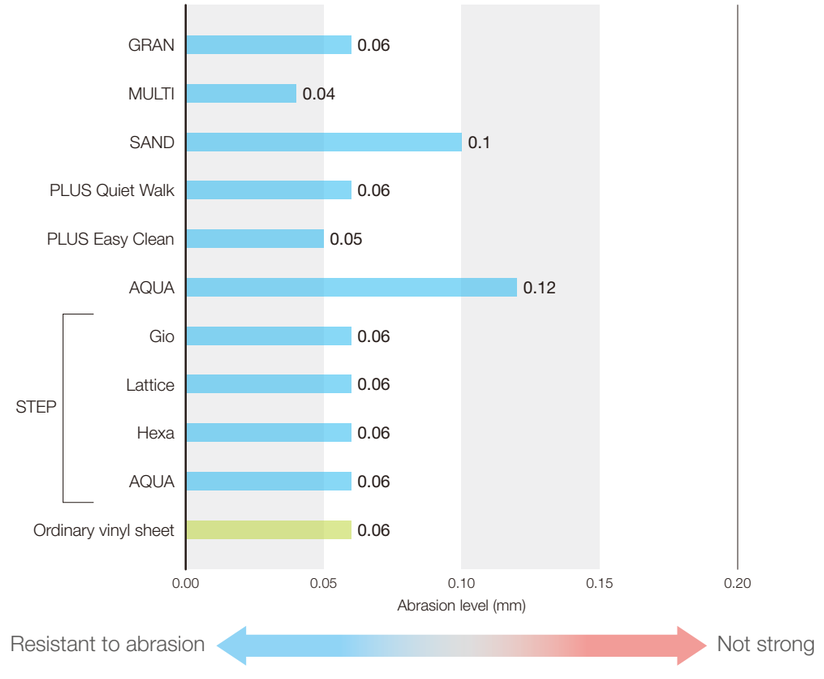
Resistant to abrasion from walking and sand

Flooring are worn down by deterioration over time and the tracking in of sand. Abrasion can degrade performance, including loss of aesthetics such as color and pattern, and becoming slippery. Abrasion resistant sheets can be used longer and safer.

Test Procedure

JIS A 1454 "Test methods-Resilient floorcoverings"
The rotating disk was rotated once per minute in the order of abrading steel plate, abrading brushes, and blows on the test sample while sand fell on the sample. After 1,000 rotations, the thickness change before and after the test was measured.

Test Result



Note: These figures are testing values and are not guaranteed values.

Each sheet was found to retain sufficient abrasion resistance.

DATA 6 EASY TO CLEAN

Easy to Clean

Easier daily cleaning

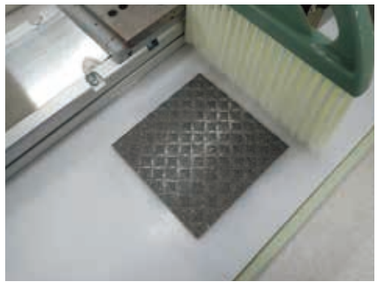
Flooring in public corridors and balconies of apartment buildings tend to accumulate sand and dust from outdoors and need to be cleaned with brooms and the like on a daily basis.As ease of cleaning is significantly affected by the uneven surface of the flooring, sand and dust must be easy to sweep away while maintaining its slip resistance and design.

Testing methodology

White sand (JIS Test Powder 1) of the same size as the dust that accumulates on outdoor floors, such as public corridors, is placed on a sheet and swept with a broom fixed to a sweepability tester. The amount of remaining sand is then observed and the weight of the removed sand is measured to calculate the removal rate.

⇒ A dust removal rate of 90% or higher is defined as a product with excellent cleanability.

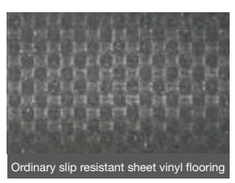
$$\text{Dust removal rate (\%)} = \frac{\text{Amount of dust removed}}{\text{Amount of dust spread on the sheet}} \times 100$$



Test Result

These values are measured values, not guaranteed values.

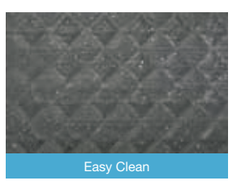
■Dirt test results



Ordinary slip resistant sheet vinyl flooring

Sand remains in the grooves

Sand removal rate: **86.1**%



Easy Clean

Very little sand remains

Sand removal rate: **94.1**%

The results confirmed that sheets designed for ease of cleaning can be more easily swept with a broom.

You can see the cleaning effectiveness test here ⇒
(about 30 seconds in length)

DATA 7 Heat Shielding Performance

Heat Shielding

Reducing heat on the soles of the feet at the poolside in midsummer

In harsh environments where the sheet surface temperature tends to rise due to direct exposure to solar radiation, suppressing the rise in surface temperature leads to an improvement in the on-site environment.Equipping a thermal barrier function to flooring used at the poolside is effective in reducing the rise in temperature of the flooring surface and reducing the heat when walking barefoot under the hot sun.

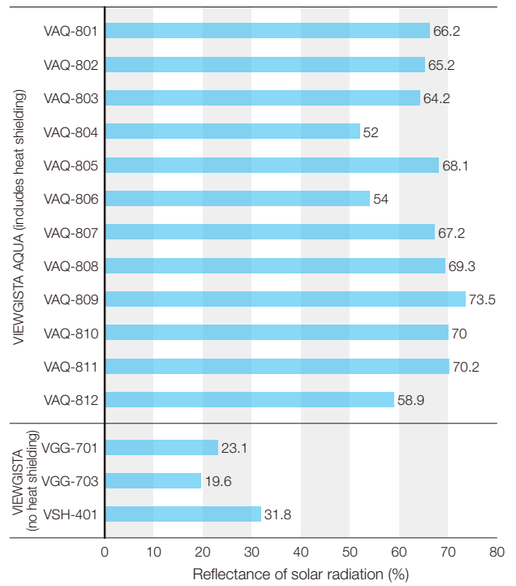
<Reflectance of solar radiation>

Testing methodology

JIS K 5602 "Determination of reflectance of solar radiation by paint film"
Solar reflectance measures how much of each wavelength range of sunlight is reflected. Generally speaking, the higher the reflectance in the near-infrared region (780 - 2500 nm), the main source of heat, the more the surface temperature rise tends to be inhibited.

Test Result

Note: The testing results are measured values, not guaranteed values.



No heat shielding ⇔ Heat shielding

Note: These figures are measured values, not guaranteed values.

AQUA shows high reflectance in each color, indicating that a reduction of surface temperature rise can be expected.

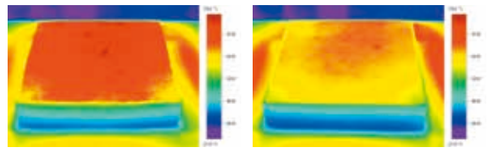
<Comparison of surface temperatures>

Testing methodology

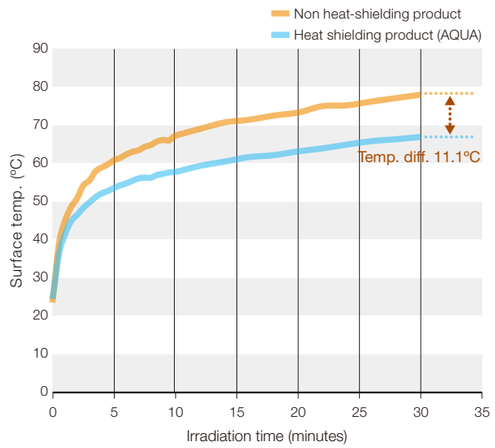
An infrared lamp is irradiated onto a slip resistant floor sheet at an indoor environment of 23°C, and the surface temperature is measured after irradiation using thermography.

Test Result

Comparison of surface temperatures using thermography



No heat shielding 78.3°C　　AQUA (includes heat shielding) 67.2°C



Note: These figures are measured values, not guaranteed values.

After about 30 minutes of irradiation, there is a clear temperature difference between the non-heat-shielding product and AQUA.

DATA 8 Sound Performance

Sound Absorbing

Suppressing "thumping" shoe noise and "rattling" caster wheel noise

Noise generated when walking in public corridors and stairs, or pushing carts or suitcases, can be very disturbing when there is a lot of traffic or late at night.In such areas, it is advisable to select flooring that lowers the sound generated as much as possible.

<Reducing walking noise>

Testing methodology

The sound generated by the tapping machine's monophonic impact is measured by a microphone placed 1.5 m away.The A characteristic (dB) of the measured value is taken as the sound volume generated by that flooring, and the difference from the volume generated by the subfloor is the amount of change.

(1) Concrete subfloor + VIEWGISTA
- Subfloor: 150 mm concrete slab
- Sound source:
  Tapping machine (monophonic)
- Microphone position:
  Distance 1.5 m, height 1.5 m

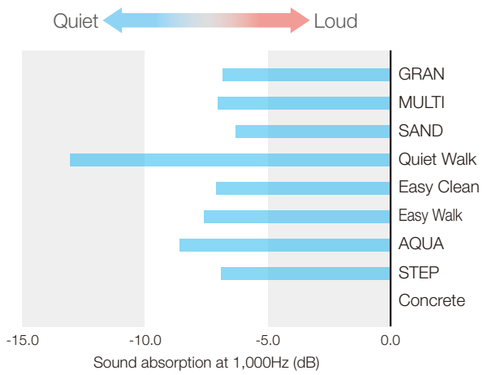
(2) Steel plate + STEP CP
(3) Steel plate + CP SHEET
- Subfloor: Steel plate
- Sound source:
  Tapping machine (monophonic)
- Microphone position:
  Distance 1.5 m, height 1.5 m

Changes in noise level and level of perception

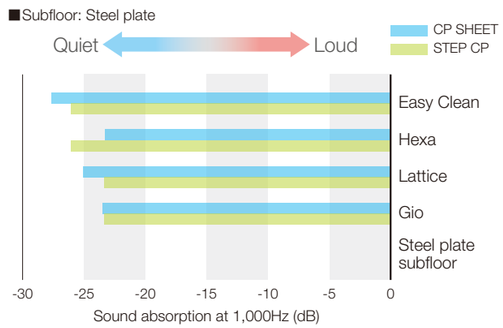
Changes in Noise Level	Level of Perception
3dB (A)	Limit of recognizable change
5dB (A)	Clearly recognizable difference
10dB (A)	Feels twice as large

Test Result

■Subfloor: Concrete



■Subfloor: Steel plate



Note: These figures are testing values and are not guaranteed values.

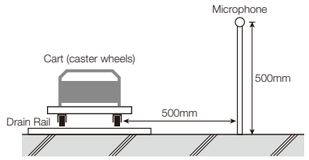
Generated noise is reduced by laying VIEWGISTA and Step CP on both the concrete and steel plate subfloor.

<Reducing caster wheel noise>

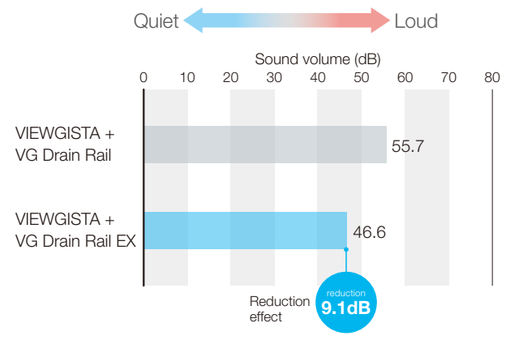
Testing methodology

The volume of sound generated when the cart moved on the VIEWGISTA + VG Drain Rail and VIEWGISTA + VG Drain Rail EX was measured and compared.

(In-house proprietary method)
A cart with a load of 10 kg is passed over a drain rail installed on the subfloor, and a microphone is placed at a position 500 mm to the side and 500 mm high from the position of the drain through which the caster wheels pass to measure the sound volume.



Test Result



Note: These figures are measured values, not guaranteed values.

It was confirmed that minimizing the surface level distance of VG Drain Rail EX improves the emitted sound volume.

DATA 9 Floor Impact Sound Insulation Performance

Sound Absorbing

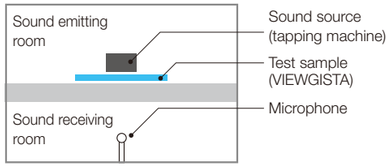
Reducing noise to lower levels

Eliminating noise-related issues is essential to have a comfortable life.Noise that reverberates to the levels below caused by walking and lightweight objects falling is expressed as floor impact sound insulation performance, and the smaller this value is, the more effective noise reduction can be expected.

<Reducing noise to lower levels>

Testing methodology

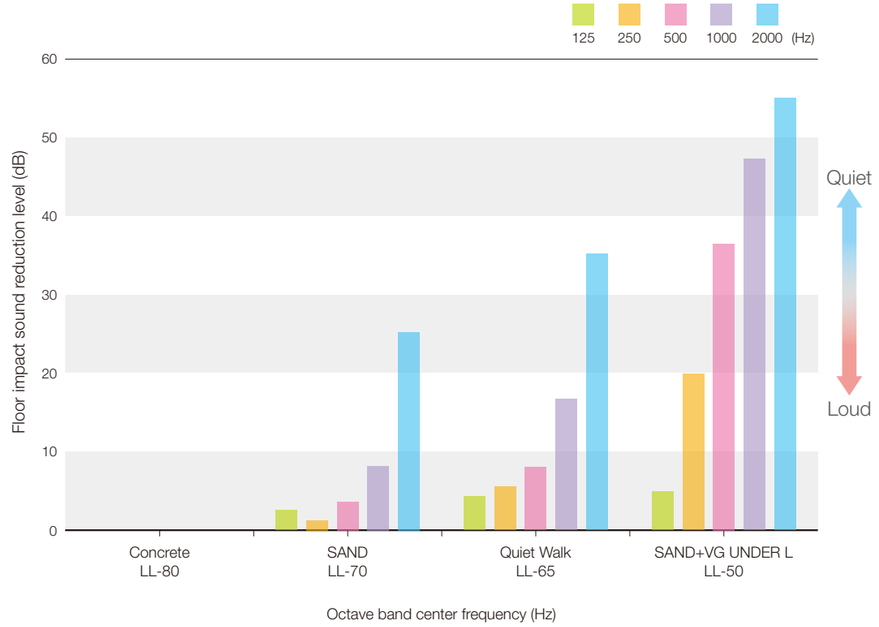
JIS A 1440-1 ("Acoustics–Laboratory Measurements of the Reduction of Transmitted Impact Sound by Floor Coverings on a Solid Standard Floor.")
Thickness of concrete slab: 150 mm



Architectural Institute of Japan "Standards and Design Guidelines for Sound Insulation Performance of Buildings"
Example of correspondence between the scale of indication and the actual living experience in a house

Sound insulation grade	Sound of moving chairs, falling objects, etc.	Living experience
L-40	Almost inaudible	Faint noises are audible from the upper floors
L-45	Somewhat audible	Some sounds of daily life are audible from upper floors
L-50	Audible	Sounds of daily life are clearly audible from upper floors
L-55	Sound generated is disturbing	Sound of walking in slippers is audible
L-60	Sound generated is very disturbing	Daily living activities of upper-floor units are audible
L-65	Loud	Daily living activities of upper-floor units are clearly audible
L-70	Very loud	Most falling sounds are clearly audible
L75	Extremely loud	All falling noises are disturbing
L80	So loud it's unbearable	Sounds of daily life are very audible

Test Result



Note: These figures are measured values, not guaranteed values.

Floor impact sound is reduced both in the case of Quiet Walk and in combination with VG Under L.It can be seen that VG Under L is particularly effective in reducing the middle frequency range (800 to 2,000 Hz), which is most easily recognized by people in daily life.

DATA 10 Mold Resistance

Mold Resistant

Inhibits mold growth and preserves aesthetics

Areas that do not get enough sunlight or are prone to moisture accumulation are prone to mold, which not only damages the design but can also have a negative impact on the human body. VIEWGISTA sheet with added mold resistant agent is effective in inhibiting mold growth.

VIEWGISTA <test 1>

Testing methodology

JIS Z 2911-2010 "Methods of Test for Fungus Resistance Appendix B (Method B)"
The test specimen is placed on a sterilized agar medium and 0.1 ml of mixed spore suspension of the target mold spores is spread evenly over the test specimen. It is incubated at 28°C and 90% relative humidity for 4 weeks to determine mold growth.

Types of mold
- Aspergillus niger: A type of green mold
- Penicillium pinophilum: A type of blue mold
- Paecilomyces variotii
- Trichoderma virens
- Chaetomium globosum

Test Result

Growth status rating	No mold inhibitor	Mold inhibitor
	5	1

Criteria

Mold growth	Rating
No mold growth is observed by the naked eye and under a microscope.	0
Mold growth is not visible to the naked eye, but is visible under a microscope.	1
Mold growth is observed by the naked eye, and the area of mold growth is less than 25% of the total area.	2
Mold growth is observed by the naked eye, and the area of mold growth is 25 to 50% of the total area of the sample.	3
Hypha is well grown, and the area of the grown portion is 50% or more of the total area of the sample.	4
Hypha growth is intense and covers the entire surface of the sample.	5

Note: These figures are measured values, not guaranteed values.

The effect of mold inhibitor was confirmed.

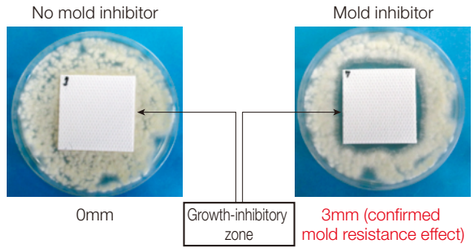
VIEWGISTA <test 2>

Testing methodology

The test sample was placed on the center of a plate agar inoculated with the test bacteria and then incubated. After incubation, the growth-inhibitory zone is measured to see if the growth of bacteria is prevented around the test sample.
Incubation conditions: Temperature 25°C, humidity 90% or more.Incubation period: 7 days.

Types of mold
- C.cladosporioides: A type of black mold
- P.citrinum: A type of blue mold
- Aspergillus niger: A type of green mold

Test Result



Note: These figures are measured values, not guaranteed values.

The effect of mold inhibitor was confirmed.

DATA 11 Chemical resistance

Antichemical

Resistant to discoloration and fading from detergents and chemicals

Cleaning with detergents and chemical agents is envisaged in apartment corridors. Moreover, insecticides may be used on balconies and liquid fertilizers may be used when gardening.

By selecting flooring that is resistant to discoloration and alteration when subjected to these agents, the design and aesthetics can be maintained for a long period of time.

Testing methodology

General-purpose agents, and insecticides and liquid fertilizers used on balconies, etc. were dripped onto the flooring surface, allowed to sit for 24 hours, and then the flooring was washed and visually observed for color and gloss changes.

Test Result

Test agents		VIEWGISTA			
		GRAN	MULTI	SAND	AQUA
	Soybean oil	A	A	A	A
	Lubricating oil (machine oil)	A	A	A	A
	Ethanol (95%)	A	A	A	A
	Sodium hydroxide (2%)	A	A	A	A
	Acetic acid (5%)	A	A	A	A
	Hydrochloric acid (5%)	A	A	A	A
	Cement paste	A	A	A	A
	Ammonia solution (28%)	A	A	A	A
	Benzalkonium chloride	A	A	A	A
	Sodium hypochlorite (6%)	A	A	A	A
	Milk	A	A	A	A
	Soy sauce	A	A	A	A
Insecticide	Orutoran emulsion (undiluted)	A	A	A	A
	Sumithion Emulsion (undiluted)	A	B	B	B
	Marason Emulsion (undiluted)	A	A	A	A
	Permethrin (undiluted)	A	A	A	A
Liquid fertilizer	Hyponex (undiluted)	B	B	B	B

[Criteria]
A: No change B: Slight change is observed C: Change is observed D: Significant change is observed

Note: These figures are measured values, not guaranteed values.

VIEWGISTA has demonstrated excellent chemical resistance to many agents, including general-purpose insecticides and liquid fertilizers.

Note: If insecticides or liquid fertilizers get on the floor sheets, wash them off as soon as possible.
If these chemicals are left on the floor sheets, the floor sheets will discolor and may not return to their original color.