



HITOE GRANZA

category: low-maintenance vinyl sheet

Minerals' own expressive texture and delicate contrast. Impressive color tones inspired by nature. New standard pattern with sheer persistence to authentic natural beauty.

Specification	overall thickness	2.0mm	width×length	2000mm×9m
	others	Antibacterial Finished / Highly Durable UV-Coated Surface		
Packing	9m/roll			
Net Weight	45.0kg/roll			
Recommended Adhesive from TOLI	dried mortar and concrete	Eco AR600 / (for heavy traffic area) Epo Gray S		
	heavy traffic use	Epo Gray S		
	The wards and living rooms where beds with double-row casters are used	Epo Gray ST, US Cement, US Cement (less-smelly), US200		
	humid mortar and concrete	Epo Gray ST, US Cement, US Cement (less-smelly), US200		
	TOLI UNDERLAY SHEET	US Cement, US Cement (less-smelly), US200		
Welding/Seam Finish	<ul style="list-style-type: none"> Welding rod for heat-welding (antibacterial finished) is available on a color-by-color basis. JOINT SHIELD method (JS Method) by TOLI JOINT SHIELD is also applicable. 			
Notes on Installation	<ul style="list-style-type: none"> Seams should be heat-welded or finished with TOLI JOINT SHIELD. TOLI JOINT SHIELD can also work on the top of TOLI UNDERLAY SHEET, but when partial weight will be put on the floor (such as heavy stuff or casters), the seam joints should not be finished with TOLI JOINT SHIELD. When you install 2 different sheets, each edge should be jointed at the seam. (Do not cut in the middle of the sheet.) For one week after installation, direct sunlight, sudden change of temperature due to air conditioning, and water washing should be avoided. Please do not use the urethane adhesive other than US Cement, US Cement (less-smelly), US200. As the sub-floor material, the underlayment TOLI UNDERLAY SHEET (page 308) is also workable. Apply the same adhesive for both upside and downside of the underlayment. Please note that the durability to dynamic load will be degraded when you install with the underlayment. When you install HITOE GRANZA in the places where rollaway beds are used (e.g. a patient room of the hospital, a living room of the welfare facility and so forth), the epoxy adhesive such as TOLI Epo Gray ST or TOLI Epo Gray S and urethane adhesive such as US Cement, US Cement (less-smelly), US200 should be used even if the humidity of the sub-floor is less than 8%. 			
Recommended Way of Maintenance from TOLI	<ul style="list-style-type: none"> No need to apply the maintenance wax on the surface. Clean the floor every day with an auto scrubber or a wet rag wrung out tightly. Use the neutral detergent for fixed contamination. Even if the wax is applied on the surface, it does not affect the quality of NW series. For a large facility, an abstergent auto scrubber is more recommendable. High speed buffing should be avoided. Otherwise highly durable UV coating will be abraded. 			
Others	<ul style="list-style-type: none"> At the entrance of the building, the dust control mat should be laid in order to avoid soils and sands from outside. To prepare the floor which is durable to rolling loads, please fully check the combination of the floor covering, the sub-floor, the adhesive, and the loads. For instance, when the sub-floor is too weak, the floor covering might be destroyed from underneath. Please be aware that some rubber casters might cause color-contamination. Please note that the product has the indigenous odor from its materials. 			

MADE IN JAPAN



HTE1002

◆ **Antibacterial Performance** <in accordance with JIS Z 2801>
In JIS testing criteria, when the value is more than 2.0, the product has sufficient antibacterial property.

	Escherichia Coli	Staphylococcus Aureus	MRSA
HITOE GRANZA	More than 2.0	More than 2.0	More than 2.0

Conducted by KAKEN TEST CENTER

◆ **Durability to Rolling Loads** <in accordance with JIS A 1454: Caster Rilling Test>

	HITOE GRANZA	
Time until the floor covering swells	More than 180 minutes (1st stage test by wheels with 110mm Φ)	Less than 30 minutes (2nd stage test by wheels with 46mm Φ)

1st stage test: JIS A 1454: Caster Rilling Test (load per unit area: approx. 900N/cm²)
2nd stage test: Independent test by TOLI (load per unit area: approx. 2,700N/cm²)



HTE1001



HTE1002



HTE1003



HTE1004



HTE1005



HTE1006



HTE1007



HTE1008