



ARENA FIT

category: low-maintenance vinyl sheet with cushion backing

Vinyl sheet with shock-absorption designed for sports facilities.

Specification	overall thickness	4.5mm	width×length	1820mm×9m
	others	Antibacterial Finished / UV-Coated Surface		
JIS Registered No.	NO.GB0507188 (JIS A 5705 Vinyl Sheet Flooring)			
Packing	9m/roll			
Net Weight	52.2kg/roll			
Recommended Adhesive from TOLI	dried mortar and concrete	Eco AR600		
	heavy traffic use	Epo Gray S, US Cement		
	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	▶Welding rod for heat-welding (antibacterial finished) is available on a color-by-color basis.			
Notes on Installation	<ul style="list-style-type: none"> ▶When you install 2 different sheets, each edge should be jointed at the seam. (Do not cut in the middle of the sheet.) ▶Please do not use the urethane adhesive other than US Cement, US Cement (less-smelly), US200. ▶For one week after installation, direct sunlight, sudden change of temperature due to air conditioning, and water washing should be avoided. 			
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 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 structure the heavy duty floor, "sub-floor", "load", and "adhesive" will be 3 important factors. Please pay careful attention to the combination of strength of sub-floor, type of adhesive, and load put on the floor. ▶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



◆ Shock Absorption of Floor Covering <JIS A 6519>

Type of Floor Covering	Overall thickness (mm)	Impact Strength	
		G Value	m/S ²
ARENA FIT	4.5	96	941
GA-100	6.5	125	1225
SF FLOOR NW	2.8	126	1235
Vinyl Sheet	2.0	145	1421



45ARN301



45ARN201



45ARN202



45ARN302



45ARN203



45ARN204

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

	ARENA FIT	
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)

◆ 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
ARENA FIT	More than 2.0	More than 2.0	More than 2.0

☆ Conducted by KAKEN TEST CENTER



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Vinyl Sheet

▲ 45ARN302



▲ 45ARN201/45ARN202/45ARN203/45ARN204

<Noise Reduction>

(Criteria for Evaluation) << loud

silent >>

Evaluation	D	C	B	A
Improvement (dB)	Less than 4	4 to 7	7 to 15	More than 15

D= to be heard clearly when you drop something on the floor
C= to be heard when you drop something solid on the floor
B= to be heard when you drop something solid and heavy on the floor
A= not to be easily heard no matter what you drop on the floor

(Noise reduction comparison)

Kind of Floor Covering	ARENA FIT 4.5mm	SF FLOOR NW 2.8mm	2.0mm vinyl sheet	Carpet tile
Evaluation	B	B	D	A
Improvement (dB)	9.0	7.7	3.1	22.0