



Technical Datasheet

Terrain – Flex Pro

Thickness: 40, 45, 50 & 70mm

Impact absorbing, Durable & slip resisting safety tiles.



ABOUT

For better cushioning and impact resistance, we have a specially developed range of tiles which are softer on the knees and reduce impact and sound if heavy objects are to fall. Made of Styrene-Butadiene Rubber (SBR) which is a copolymer of styrene and butadiene characterized by its superior hardness & durability.

PERFORMANCE ATTRIBUTES

- Compatible with most floor finishes.
- Fast installation.
- Natural elasticity reduces noise.
- Antistatic
- Crack isolation membrane protects ceramic tile, porcelain and stone tile
- Passes VOC & Labosport Test certified

DIMENSIONS

- Size: 50cm x 50cm
- Standard Tolerances: Width: +3/4" - 0";
Length: +1% - 0";
Thickness: ±0.3mm

MATERIAL

- 100% SBR granulate in 7 color variations
- 85% SBR granulated + 15% EPDM granulated in 20+ color combinat

TECHNICAL DATA

PROPERTY	TEST METHOD	UNITS	TEST RESULTS
Dimensional Stability	AS 2498.6	+/-1mm (23 to 70°C)	<1.0mm
Duro – Shore Hardness	AS 1683.15.2	Shore A	60-70
Density	ISO 845 Method A	Kg/m ³	950-1020
Color Fastness (UV resistance)	SAE J2020 QUV accelerated Weathering	No chalkiness or color change after 500hrs	No color change after 500hrs
Shear Strength	ISO 1827	Mpa	2.56
Compression Strength @ 20%	ASTMD 575	Mpa	1.20
Compression Young's Modulus	ASTMD 575	Mpa	0.26
Tensile Strength	ISO 39-2005	Mpa	3.03
Elongation at tear	AS 1683.12	%	50
Heat Conductivity	ASTM C518	W/mK	0.1906
Heat Resistance/thermal, resistance, K factor conditions (Nominal temp 25°C)	ASTM C518	m ² K/W	0.1283
THICKNESS 24-45mm			

*The values & properties stated above are carried out in our lab for the component used in the production. However, they do not constitute a guarantee for a specific product feature & do not establish a legal contract.