

TerraPlay® – TURF PLAY

ABOUT

Turf Play is a soft, durable, and eco-friendly artificial grass tile designed specifically for children’s play areas. It provides a safe, cushioned surface for active play, mimicking natural grass while remaining low-maintenance. Ideal for creating a green, inviting play environment where kids can tumble, run, and explore with comfort and safety.

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

DIMENSIONS

- Size: 50cm x 50cm, 100 x 100 cm
- Thickness (mm): 20, 30, 40, 50, 70
- Color variation: 10-15% for pigmented tiles
- Standard Tolerances: Width: +/- 3 mm
Length: +/- 3mm
Thickness: +/-2mm

MATERIAL

- 100% SBR granulate.
- High performance turf top layer

TECHNICAL DATA RUBBER TILE

PROPERTY	TEST METHOD	UNITS	TEST VALUES
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/thermai, resistance, K factor conditions (Nominal temp 25°C)	ASTM C518 THICKNESS 24-45mm	m ² K/W	0.1283
Abrasion resistance	ASTM D5963	mm ³	Max 235

CERTIFICATIONS



CONTACT

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TECHNICAL DATA FOR GRASS

YARN CHARACTERISTICS			
YARN 1		YARN 2	
Structure:	Monofilament	Structure:	Monofilament
Composition:	PE	Composition:	PE
Dtex:	5000	Dtex:	5000
Tape thickness:	0.115~0.18mm	Tape thickness:	0.115~0.18mm
Tape width:	0.98~1.18mm	Tape width:	0.98~1.18mm
UV Effects:			
Pile yarns color change:	4-5(Onion Green),4-5(Bean Lime)		
CARPET CHARACTERISTICS			
TURF			
Pile height:	40mm±1mm	Gauge:	3/8inch
Number of strands per tuft:	6	Stitches per 10cm:	18±1
Stitches per m²:	18900±100	Total yarn weight:	1205g/sqm ±10%
BACKING			
Primary backing:	PP+Mesh scrim inlay		
Weight:	150g/sqm		
Secondary backing:	Latex		
Weight:	1100g/sqm±10%		
Total carpet weight:	2455g/sqm ±10%		

*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.

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