TECHNICAL DATA SHEET

TERRAFIT®

Fitness Solutions by Casa Vera

TerraFit® – Turf fit

ABOUT



Turf Fit is a high-performance, durable turf tile crafted for gym and sports areas. Engineered to withstand intense workouts and heavy foot traffic, it provides excellent traction and shock absorption for a safe, comfortable training surface. Ideal for fitness zones, sports fields, and high-impact
activities, Turf Fit is low- maintenance, versatile, and built to endure. 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 – Share 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^2K/W	0.1283
Abrasion resistance	ASTM D5963	mm^3	Max 235

CERTIFICATIONS

ISO 9001:2015 · ASTM INTERNATIONAL E648, E492, E2179 E648, E3152-18 · LABOSPORT EN1177, EN71 · UAE صنع في الإمارات MADE IN UAE · Casa Vera HOME

TECHNICAL DATA FOR GRASS

YARN CHARACTERISTICS			
YARN 1			
Structure:	Monofilament		
Composition:	PE		
Dtex:	8000		
Tape thickness:	0.105~0.145mm		
Tape width:	0.8~1.0mm		
UV Effects:			
Pile yarns color change:	4-5(Emerald),4-5(Lime),		
CARPET CHARACTERISTICS			
TURF			
Pile height:	15mm±1mm	**Gauge:**	3/16inch
Number of strands per tuft:	8	**Stitches per 10cm:**	26±1
Stitches per m^2:	54600±100	**Total yarn weight:**	1630g/sqm ±10%
BACKING			
Primary backing:	PP + polyester fiber short-staple + Mesh scrim inlay		
Weight:	250g/sqm		
Secondary backing:	Latex		
Weight:	950g/sqm±10%		
Total carpet weight:	2830g/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.