

# Technical Specification

Technical Specification	Norm	R-Tile Industrial	R-Tile Commercial	R-Tile Residential
Tile Dimensions		Textured: 7mm - 508x508mm Excel: 7mm - 508x508mm Studded: 7mm - 516x516mm	Textured: 4/5mm - 508x508mm Excel: 5mm - 508x508mm Studded: 5mm - 516x516mm Chequer: 4mm - 508x508mm Slate: 5mm - 450x450mm	Excel: 5mm - 508x508mm Slate: 5mm - 450x450mm
Weight		7mm: 9.2kg/m <sup>2</sup>	4mm: 6.4kg/m <sup>2</sup> 5mm: 8kg/m <sup>2</sup>	5mm: 8kg/m <sup>2</sup>
Hardness	ISO868	92 Shore A (Available in 82 Shore A by request)	92 Shore A (Available in 82 Shore A by request)	82 Shore A
Material		PVC SGI 1.45	PVC SG 1.45	PVC SG 1.37
Thickness	BS EN 428	7mm +/- 0.2mm	4mm & 5mm +/- 0.2mm	5mm +/- 0.2mm
Abrasion	BS EN 660-2	Wear Group P	Wear Group P	Wear Group P
Castor Wheel	BS EN 425	No Damage	No Damage	No Damage
Indentation	BS EN 433	0.1mm	0.1mm	0.1mm
Fire Class	EN 13501-1	B <sub>F</sub> L s1	B <sub>F</sub> L s1	B <sub>F</sub> L s1
Electrical Resistance	BS EN 1081	≤ 10 <sup>12</sup> Ω	≤ 10 <sup>12</sup> Ω	≤ 10 <sup>12</sup> Ω
Anti Slip	BS EN 13893 Deutsche Norm DIN 51130	Anti Slip DS R10	Anti Slip DS R10	Anti Slip DS R10
Chemical Resistance	BS EN 423	Good Hydrochloric Acid • 96% Ethanol • 96% Methanol • 69% Sulphuric Acid • 98% Chromic Acid • 40%	Good 100% Acetic Acid • 100% Nitric Acid Toluene, Trichloethulene, Acetone, Engine Oils, Gasoline, Urine.	Good
Light Fastness (Blue Wool Standard)	BS EN 20105 – B02	7BWS / 5GSR	7BWS / 5GSR	7BWS / 5GSR
Thermal Conductivity	ISO 8302	7mm: 0.3807 m2 K/W	5mm: 0.277 m2 K/W 4mm: 0.218 m2 K/W	5mm: 0.277 m2 K/W
Electrostatic Behaviour	BS EN 1815	2kV	2kV	2kV
Flexibility	BS EN 435	Flexibility No Cracking	Flexibility No Cracking	Flexibility No Cracking
Dimensional Stability Before Exposure to Heat	BS EN 434	0.11%	0.11%	0.11%
Dimensional Stability After Exposure to Heat	BS EN 434	Average 0.15	Average 0.15	Average 0.15