

Underlay Technical Specification

Item Code: TATEX11013

Issue Date: 13/3/2013

Issue No. 7



Sponge Rubber

Suitable for underfloor heating

Suitable for the floating installation of laminate and solid timber floors

Standard Specifications

Nominal square weight †	2545 g/m ² (75 oz/yd ²)
Nominal roll weight†	38.3 kg
Roll area*	15.07m ² (1.37m x 11.00m)

BS 5808: 1991

Nominal thickness†	3.60 mm	BS 4051
Mean original thickness from nominal thickness (Max.12%)	1.2 %	BS 4051
Difference between max. & min. original thicknesses (Max.3mm)	0.3 mm	BS 4051
Work of compression Minimum 50 J/m ²	57 J/m ²	BS 4908 & BS 4052
Retention of work of compression (min 40%)	79 %	BS 4908 & BS 4052
Compression after dynamic loading	2.2 mm	BS 4908 & BS 4052
Breaking strength (length/width) min. 40N	242N / 106N	BS 2576
Extension under force (length/width) max. 10%@ 40N	0.5% / 0.6%	BS 2576
Loss in thickness after dynamic loading (max 15%)	4.7 %	BS 4052
Loss in thickness after static loading (max 15%)	7.7 %	BS 3939

Flammability

Hot metal nut test (Not greater than 50mm)	Low radius of effects of ignition	BS 4790 & BS 5287
French radiant panel	Class M3	NFP 92-506

Electrical Resistivity

Vertical resistance, 25% RH	>10.0 x 10 12 ohms	BS 6654	Vertical resistance, 65% RH	>10.4 x 10 8 ohms	BS 6654
Horizontal resistance, 25% RH	>5.0 x 10 14 ohms/cm ²		Horizontal resistance, 65% RH	>2.7 x 10 8 ohms	
Vertical resistivity, 25% RH	>9.0 x 10 13 ohms/cm ²		Vertical resistivity, 65% RH	>5.2 x 10 10 ohms/cm ²	
Horizontal resistivity, 25% RH	>10.0 x 10 12 ohms		Horizontal resistivity, 65% RH	>2.4 x 10 9 ohms/cm ²	

Certification



Barrier Properties

Moisture resistance (g/m ² /24hrs@38°C/90%RH)	Typical Value: 1.5	ASTM F1249
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Acoustic Sone wood/laminate flooring test

Drum sound emission (overall loudness) (Sone)	56	EPLF-Norm 021029-1
Impact sound reduction (Delta Lw)	23 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997

Other Specifications

Odour	No objectionable odour	
Antimicrobial and mildew resistant	Yes	
Colour / backing	Green / silver Vapourstop membrane	
Packaging	Clear, with printed insert	
Thermal resistance	0.55 togs	BS 4745
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria	

Notes

* The nominal roll dimensions have been quoted. These may vary slightly, but will still equate to the area quoted. This does not constitute a manufacturing specification. It details important performance and physical characteristics only.

† ±5%

Guarantee

Guaranteed for the serviceable lifetime of the flooring.