



TECHNICAL SPECIFICATION

Timbermate Excel DIY

High density resilient sponge rubber underlay for laminate and solid timber floors

Suitable for both domestic and contract applications

For use under floating laminate, solid timber and engineered wooden floors

Excellent moisture resistance when used in conjunction with Vapourtape or Vapourstop sealing strip

Not suitable for installation over wood-block or parquet subfloors

Guaranteed for the serviceable lifetime of the floorcovering under which it is laid when used in the recommended locations

Roll size: 0.685m x 14.60m

Specification	BS Requirements	Result	Method
Nominal weight		2545 g/m ² (75 oz/sq yd)	
Thickness		3.60mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	1.2 %	
Difference between max. & min. original thicknesses	Maximum 3 mm	0.3 mm	
Work of compression	Minimum 50 J/m ² after dynamic loading for 1000 impacts	57 J/m ²	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2 mm, maximum 7 mm after dynamic loading	2.2 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	79 %	
Breaking strength - length	Minimum 40N	242 N	BS 2576
Breaking strength - width		106 N	
Extension under force - length	Maximum 10% @ 40N	0.5 %	
Extension under force - width		0.6 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	4.7 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24 hrs recovery	7.7 %	BS 4939
Resistance to cracking	Not greater than 50 mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		Green sponge rubber sheet with silver Vapourstop membrane	

Carpets Direct (GB) Ltd Unit 3 Riverside Works Reservoir Road Hull HU6 7QD

Tel: +44(0)1482 215008 Web: www.TradePriced.co.uk



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Other relevant tests	Notes	Result	Method
Flammability Hot metal nut French radiant panel		Low radius of effects of ignition Class M3	BS 4790 & BS 5287 NFP 92-506
Barrier Properties Moisture resistance	(g/m ² /24hrs@38°C/90%RH)	Typical value: 1.5	ASTM F1249
Insulation Thermal resistance Weighted reduction in impact sound pressure level (ΔL_w)		0.55 togs 23 dB	BS 4745 BSEN ISO 140-8: 1998 & BSEN ISO 717-2: 1997
Electrical Resistivity Vertical resistance Horizontal resistance Vertical resistivity Horizontal resistivity	<u>25% RH</u> >10.0 x 10 ¹² ohms >10.0 x 10 ¹² ohms >5.0 x 10 ¹⁴ ohms/cm ² >9.0 x 10 ¹³ ohms/cm ²	<u>60% RH</u> 10.4 x 10 ⁸ ohms 2.7 x 10 ⁸ ohms 5.2 x 10 ¹⁰ ohms/cm ² 2.4 x 10 ⁹ ohms/cm ²	BS 6654