

TIMBERMATE EXCEL

Underlay Technical Specification

Item Code: TATEX11013

Issue Date: 22/07/2021

Issue No. 7

Sponge Rubber

Suitable for the floating installation of laminate and solid timber floors

Suitable for underfloor heating. We do not recommend an underlay is used with an electric mat (or dry)

underfloor heating system

Standard Specifications*

Nominal square weight	2545 g/m² (75 oz/yd²)	
Nominal density	707 kg/m³	
Nominal roll weight	38.3 kg	
Nominal roll area	15.07m ² (1.37m x 11.00m)	
Nominal thickness	3.60 mm (0.14")	1765



BS 5808: 1991 / EN14499 : 2015

Mean original thickness from nominal thickness (Max.12%)	1.2 %	ISO 1765
Difference between max. & min. original thicknesses (Max.3mm)	0.3 mm	ISO 1765
Work of compression (Min. 50 J/m² Max. 200 J/m²)	57 J/m ²	BS 4098 & ISO 2094
Retention of work of compression (min 40%)	79 %	BS 4098 & ISO 2094
Compression after dynamic loading	2.2 mm	BS 4098 & ISO 2094
Breaking strength (length/width) min. 30N	242N / 106N	EN ISO 13394 BS 2576
Extension under force (length/width) max. 15%@ 30N	0.5% / 0.6%	EN ISO 13394 BS 2576
Loss in thickness after dynamic loading (max 15%)	4.7 %	BS 4052 & ISO 2094
Loss in thickness after static loading (max 15%)	7.7 %	ISO 3415/3416 & BS 4939



Flammability

Hot metal nut test (Not greater than 50mm)	Low radius of effects of igr	BS 4790 & BS 5287
Anti Flammability	Grade Level 1	CNS7614
Reaction to fire classification	Cfl-s1	Tested to ENISO9239-1 &11925-2, rated to EN13501-1
Puggian COST ED Toot	Classification KME	



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



Guarantee

Guaranteed for the serviceable lifetime of the flooring.

Notes

THIS PRODUCT IS PRODUCED IN A FACILITY ACCREDITED TO ISO 9001, 14001 & 45001



^{*} The nominal roll dimensions have been quoted. These may vary slightly but will comply with the requirements of BS EN 14499:2015



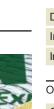
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Barrier Properties			
Moisture resistance (g/m²/24hrs@38°C/90%RH)	Typical \	Value: 1.5	ASTM F1249
Acoustic Sone wood/laminate flooring test			
Drum sound emission (overall loudness) (Sone)	56		EPLF-Norm 021029-1
Impact sound reduction (Delta Lw)	23 dB	BSEN ISO 140-8:	1998 and BSEN ISO 717-2: 1997
Impact Insulation Class (IIC)	54		ASTM E989-06



Odour	No objectionable odour
Antimicrobial and mildew resistant	Yes
Colour / backing	Green / silver printed Vapourstop membrane
Packaging	Clear, with printed insert
Thermal resistance	0.55 togs BS 4745
Emissions (US Carpet & Rug Institute)	Meets low VOC emission criteria US CRI Certified GLP051 Green Label Plus Cat CC10 Rubber Programme



Green Features	Description	LEED Programme
Recyclable	At the end of the underlays useful life	MR 2.0: Points Available
	it can be 100% recycled	It can be recycled
Recycled Content	Contains not less than 3%	MR 4.0: Points Available
	pre-consumer recycled material	Recycled Content
Indoor Air Quality Meets or exceeds the industry standard for indoor		IEQ 4.3: Points Available
	quality as established by the CRI Green Label Programme	Product is Green
		Label Certified
Regional Materials	Production Facility Haslingden BB4 4LS, UK	MR 5.0: Points Available
	Where used within 500 miles of Production Facility	

LEED points must be considered along with other building components and must be determined by the specifier/architect or LEED accredited professional





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