



Duralay

Heatflow

# TECHNICAL SPECIFICATION

## Heatflow Carpet Underlay

High density rubber underlay for underfloor heating

Incorporates Thermylin™ for improved thermal conductivity

End Use Classification (BS 5808: 1991): HC/U, Heavy Contract Use

Interfloor Specific Recommendation: HD/U, Heavy Domestic Use (especially recommended for halls, stairs and landings)

Suitable for stretch-fit installation of carpets

Guaranteed for the serviceable lifetime of the carpet when used in the recommended locations

Roll size: 15sq.. of 1.37 m x 11.0 m

Specification	BS Requirements	Result	Method
Nominal square weight		3000 g/m <sup>2</sup>	
Nominal roll weight		100 lbs	
Nominal thickness		6.10 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	3.8 %	
Difference between max. & min. original thicknesses	Maximum 3mm	0.3 mm	
Work of compression	Minimum 50 J/m <sup>2</sup> after dynamic loading for 1000 impacts	148 J/m <sup>2</sup>	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	3.5 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	91 %	
Breaking strength - length	Minimum 40N	182 N	BS 2576
Breaking strength - width		126 N	
Extension under force - length	Maximum 10% @ 40N	2.2 %	
Extension under force - width		1.0 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	4.3 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	4.1 %	BS 4939
Resistance to cracking	Not greater than 50mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		Black textured flat sponge rubber with printed Textron paper backing	
<b>Flammability</b>	<b>Notes</b>	<b>Result</b>	<b>Method</b>
Hot metal nut test		Low radius of effects of ignition	BS 4790 & BS 5287
<b>Thermal Properties</b>			
Thermal resistance		0.75 togs	BS 4745
R-Value		0.075 m <sup>2</sup> K/W	
U-Value		13.3 W/m <sup>2</sup> K	
Thermal conductivity (k)		0.087 W/mK	

Item Code TAHEATCARPET

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Please note: This document does not constitute a manufacturing specification. It details important technical performance and physical characteristics of the product only. Please contact the Technical Department for any further information.

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