



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 ²	
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 ² after dynamic loading for 1000 impacts	148 J/m ²	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	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	
Flammability	Notes	Result	Method
Hot metal nut test		Low radius of effects of ignition	BS 4790 & BS 5287
Thermal Properties			
Thermal resistance		0.75 togs	BS 4745
R-Value		0.075 m ² K/W	
U-Value		13.3 W/m ² K	
Thermal conductivity (k)		0.087 W/mK	

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.

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

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

