



TECHNICAL SPECIFICATION

Acoustic 1 Carpet Underlay

High quality combined felt / rubber crumb carpet underlay

Suitable for stretch-fit installation of carpets

End Use Classification (BS 5808: 1991): GD/U, General Domestic Use

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

Roll size: 1.37 m x 7.3 m

Specification	BS Requirements	Result	Method
Nominal roll weight		59 lbs	
Nominal square weight		2433 g/m ² (82 oz/yard)	
Nominal thickness		11 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	3.0 %	
Difference between max. & min. original thicknesses	Maximum 3mm	0.64 mm	
Work of compression	Minimum 50 J/m ² after dynamic loading for 1000 impacts	117.5 J/m ²	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	4.5 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	79.1 %	
Breaking strength - length	Minimum 40N	182 N	BS 2576
Breaking strength - width		628 N	
Extension under force - length	Maximum 10% @ 40N	0.66 %	
Extension under force - width		1.14 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	11.2 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	13.9 %	BS 4939
Resistance to cracking	Not greater than 50mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		black crumb rubber with beige felt backing.	
Thermal Properties			
Thermal resistance		2.34 togs	BS 4745
Acoustic Properties			
Weighted reduction in impact sound pressure level (Delta Lw)		34 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Electrical Resistivity			
Vertical resistance, 65% RH		Low radius of effects of ignition	

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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