



# TECHNICAL SPECIFICATION

## Supreme

### Quality cellular sponge rubber carpet underlay

End Use Classification (BS 5808: 1991): L/U, Luxury Use

Increased impact sound and heat insulation

Guaranteed for 15 years or the serviceable lifetime of the carpet when used in the recommended locations

Roll size: 10.96 sq.m of 1.37 m x 8.0 m

Specification	BS Requirements	Result	Method
Nominal square weight		3050 g/m <sup>2</sup> (90 oz/sq yd)	
Nominal thickness		9.15 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	4.0 %	
Difference between max. & min. original thicknesses	Maximum 3mm	0.4 mm	
Work of compression	Minimum 50 J/m <sup>2</sup> after dynamic loading for 1000 impacts	128 J/m <sup>2</sup>	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	4.7 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	82 %	
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	4.2 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	3.0 %	BS 4939
Resistance to cracking	Not greater than 50mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		Red sponge rubber waffle with brown Textron paper backing	
<b>Thermal Properties</b>			
Thermal resistance		1.27 togs	BS 4745
<b>Acoustic Properties</b>			
Weighted reduction in impact sound pressure level (Delta Lw)		32 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997

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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