



# TECHNICAL SPECIFICATION

## TREDAIRE Sterling

### Cellular sponge rubber carpet underlay

End Use Classification (BS 5808: 1991): LD/U, Light Domestic Use

Guaranteed for 8 years or the serviceable lifetime of the carpet when used in the recommended locations

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

Specification	BS Requirements	Result	Method
Nominal square weight		1898 g/m <sup>2</sup> (56 oz/sq yd)	
Nominal thickness		6.90mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	3.5 %	
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	62 J/m <sup>2</sup>	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	4.8 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	55 %	
Breaking strength - length	Minimum 40N	148 N	BS 2576
Breaking strength - width		106 N	
Extension under force - length	Maximum 10% @ 40N	3.5 %	
Extension under force - width		1.5 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	9.6 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	12.9 %	BS 4939
Resistance to cracking	Not greater than 50mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		Blue sponge rubber waffle with printed Textron paper backing	
<b>Thermal Properties</b>			
Thermal resistance		1.26 togs	BS 4745
<b>Acoustic Properties</b>			
Weighted reduction in impact sound pressure level (Delta Lw)		28 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997

Item Code

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Page No. 1 of 1

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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