



TECHNICAL SPECIFICATION

TREDAIRE Elite

High quality cellular sponge rubber carpet underlay

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

Offers excellent impact sound insulation

Guaranteed for 20 years or the serviceable lifetime of the carpet when used in the recommended locations

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

Specification	BS Requirements	Result	Method
Nominal square weight		3500 g/m ² (109 oz/sq yd)	
Nominal thickness		9.75 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	4.0 %	
Difference between max. & min. original thicknesses	Maximum 3mm	0.8 mm	
Work of compression	Minimum 50 J/m ² after dynamic loading for 1000 impacts	161.1 J/m ²	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	6.5mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	70.2 %	
Breaking strength - length	Minimum 40N	87 N	BS 2576
Breaking strength - width		108 N	
Extension under force - length	Maximum 10% @ 40N	6.56 %	
Extension under force - width		2.7 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	2.4 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	9.8 %	BS 4939
Resistance to cracking	Not greater than 50mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		Maroon sponge rubber with printed Textron paper backing	
loss in thickness after short term moderate loading.	Maximum 20% after 3hrs moderate loading	6.4%	BS ISO 3415
Thermal Properties			
Thermal resistance		1.19 togs	BS 4745
Acoustic Properties			
Weighted reduction in impact sound pressure level (Delta Lw)		41 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997

Item Code

Issue No. 1

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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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TREDAIRE

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