



# TECHNICAL SPECIFICATION

**TREDAIRE** Brio

## High quality polyurethane rebond carpet underlay

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

Excellent thermal insulation

High degree of impact sound insulation

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

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

Suitable for stretch-fit installation of carpets

Specification	BS Requirements	Result	Method
Nominal square weight		736 g/m <sup>2</sup>	
Nominal density		92 kg/m <sup>3</sup>	
Nominal roll weight		24 lbs	
Nominal thickness		8.00 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	1.2%	
Difference between max. & min. original thicknesses	Maximum 3mm	0.43mm	
Work of compression	Minimum 50 J/m <sup>2</sup> after dynamic loading for 1000 impacts	114.7	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	5.4mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	78.2%	
Breaking strength - length	Minimum 40N	80.5 N	BS 2576
Breaking strength - width		46N	
Extension under force - length	Maximum 10% @ 40N	4.28%	
Extension under force - width		21.13%	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	5.5 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	0.6 %	BS 4939
Resistance to cracking	Not greater than 50mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		green facing film with white nonwoven backing	
<b>Flammability</b>	<b>Notes</b>	<b>Result</b>	<b>Method</b>
Hot metal nut test	Tested in Interfloor laboratory	Low radius of effects of ignition	BS 4790 & BS 5287
<b>Thermal Properties</b>			
Thermal resistance		2.18 tog	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

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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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