

Designed for use with the Durafit Contract Installation System

End Use Classification (BS 5808: 1991): HC/U, Heavy Contract Use

Minimises carpet rucking and furniture indentation marks

Ideal for wheeled traffic areas

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

Roll size: 1.37 m x 11.0 m

Specification	BS Requirements	Result	Method
Nominal roll weight		90lbs	
Nominal square weight		2700 g/m ²	
Nominal thickness		6.50 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	4 %	
Difference between max. & min. original thicknesses	Maximum 3mm	0.5 mm	
Work of compression	Minimum 50 J/m ² after dynamic loading for 1000 impacts	87 J/m ²	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	2.0 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	100 %	
Breaking strength - length	Minimum 40N	744 N	BS 2576
Breaking strength - width		325 N	
Extension under force - length	Maximum 10% @ 40N	2.1 %	
Extension under force - width		0.9 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	2.0 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	2.1 %	BS 4939
Resistance to cracking	Not greater than 50mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		Black crumb rubber with woven polyjute backing	
Flammability	Notes	Result	Method
Hot metal nut test		Low radius of effects of ignition	BS 4790 & BS 5287
Methenamine tablet		Pass	BS 6307
German radiant panel	Tested in conjunction with Brintons' Marquis carpet	Material complied with B1 classification	DIN 4102 pt 14
Kleinbrenner	Tested in conjunction with Brintons' Marquis carpet	Material complied with B2 classification	DIN 4102 pt 1
French epiradiateur		Class M3	NFP 92-501
French radiant panel		Class M4	NFP 92-506
Critical radiant flux	Tested in conjunction with Brintons' Marquis carpet	Cat. 1: Institutional buildings	ASTM E648 / NFPA253

Item Code TADU110013

Issue No. 3

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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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Thermal Properties

Thermal resistance	1.10 togs	BS 4745
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Acoustic Properties

Weighted reduction in impact sound pressure level (Delta Lw)	29 dB	BSEN ISO 140-8: 1998 and BSEN ISO 717-2: 1997
Sound absorption coefficient (250 - 2000 Hz)	0.22	BS 3638

Environmental

TVOC emission factor (24 hrs exposure)	US EPA recommends TVOC Emission Factor for floorcoverings of <600 ug/m ² .hr	459 ug/m ² .hr	ASTM D5116 & US EPA Carpet Policy Dialogue Method
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Electrical Resistivity

Vertical resistance, 25% RH	0.42 x 10 ¹⁰ ohms	BS 6654
Vertical resistance, 65% RH	0.41 x 10 ⁸ ohms	
Horizontal resistance, 25% RH	1.05 x 10 ¹¹ ohms	
Horizontal resistance, 65% RH	1.90 x 10 ⁸ ohms	
Vertical resistivity, 25% RH	2.11 x 10 ¹² ohms/cm ²	
Vertical resistivity, 65% RH	2.03 x 10 ⁹ ohms/cm ²	
Horizontal resistivity, 25% RH	0.97 x 10 ¹² ohms/cm ²	
Horizontal resistivity, 65% RH	1.73 x 10 ⁹ ohms/cm ²	

Other relevant tests

Castor chair test	Overall 'r' value, carpet & underlay: 3.9 (carpet only: 2.8)	DIN 54324
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