



# TECHNICAL SPECIFICATION

## System Ten

### Superior quality high density rubber crumb underlay

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

Interfloor Specific Recommendation: HD/U, Heavy Domestic Use (especially recommended for halls, stairs and landings)

Minimises carpet rucking and furniture indentation marks

Ideal for body and border installations

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

Roll size: 1.37 m x 8.0 m

Specification	BS Requirements	Result	Method
Nominal square weight		4000 g/m <sup>2</sup>	
Nominal thickness		9.20 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	3 %	
Difference between max. & min. original thicknesses	Maximum 3mm	0.3 mm	
Work of compression	Minimum 50 J/m <sup>2</sup> after dynamic loading for 1000 impacts	98 J/m <sup>2</sup>	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2mm, maximum 7mm after 1000 impacts	2.2 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	100 %	
Breaking strength - length	Minimum 40N	710 N	BS 2576
Breaking strength - width		332 N	
Extension under force - length	Maximum 10% @ 40N	1.0 %	
Extension under force - width		0.5 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	2.1 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24hrs loading & recovery	2.8 %	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	
<b>Flammability</b>	<b>Notes</b>	<b>Result</b>	<b>Method</b>
Hot metal nut test		Low radius of effects of ignition	BS 4790 & BS 5287
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
<b>Thermal Properties</b>			
Thermal resistance		1.55 togs	BS 4745

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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