

**TIMBERMAT EXCEL DATA SHEET:**

TEST RESULTS TO BS 5808: 1991 - BRITISH STANDARD FOR CARPET UNDERLAYS			
SPECIFICATION	BS REQUIREMENTS	RESULT	METHOD
WEIGHT		2545 g/m <sup>2</sup>	
THICKNESS		3.75 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12 %	1.2%	
Difference between max and min original thicknesses	Maximum 3 mm	0.3 mm	
BREAKING STRENGTH	Minimum 40N		BS 2576
Length		242 N	
Width		106 N	
EXTENSION UNDER FORCE	Maximum 10% @ 40N		
Length		0.5%	
Width		0.6%	
WORK OF COMPRESSION (WOC)	Minimum 50 J/m <sup>2</sup> after dynamic loading for 1000 impacts	57 J/m <sup>2</sup>	BS 4098 & BS 4052
Compression after dynamic loading	Minimum 2 mm, maximum 7 mm after 1000 impacts	2.2 mm	
Retention of WOC	Minimum 40% of original after dynamic loading for 1000 impacts	79.2%	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	4.70%	BS 4052
Loss in thickness after static loading	Maximum 15% after 24 hrs recovery	7.70%	BS 4939
Resistance to cracking	Not greater than 50 mm	Pass	BS 5808
Odour	No objectionable odour	Pass	
END USE CLASSIFICATION	<b>GC/U</b>	General Contract Use	BS 5808
DURALAY SPECIFIC RECOMMENDATION	-	-	
FLAMMABILITY (test where applicable)			
Hotel Metal Nut Test	Pass - low radius of effects of ignition		Tested to BS 4790 Rated to BS 5287
French Radiant Panel	Pass-Class M3		NFP 92- 506
INSULATION			
Thermal Resistance (Tog)	0.55		BS 4745
Sound Absorption Coefficient (250-2000 Hz)	-		BS 3638
ACOUSTIC			

Weighted Impact Sound Improvement Index (DLw)	23 dB	
Test procedure to BS2750:1980:Part 8, rated to BS5821:1984:Part 2		
<b>BARRIER PROPERTIES</b>		
Moisture Barrier (g/m <sup>2</sup> /24hrs 38°C 90%RH)	Typical Value 1.5	ASTM F1249
<b>ELECTRICAL RESISTIVITY</b>		BS 6654 1985 (1995)
	25% RH	65% RH
Vertical resistance (ohms)	>10.0 x 10 <sup>12</sup>	10.4 x 10 <sup>8</sup>
Horizontal resistance (ohms)	>10.0 x 10 <sup>12</sup>	2.7 x 10 <sup>8</sup>
Vertical resistivity (ohms/sq cm)	>5.0 x 10 <sup>14</sup>	5.2 x 10 <sup>10</sup>
Horizontal resistivity (ohms/sq cm)	>9.1 x 10 <sup>13</sup>	2.4 x 10 <sup>9</sup>