



## High density resilient sponge rubber underlay for laminate and solid timber floors

Suitable for both domestic and contract applications

For use under floating laminate, solid timber and engineered wooden floors

Excellent moisture resistance when used in conjunction with Vapourtape or Vapourstop sealing strip

Not suitable for installation over wood-block or parquet subfloors

Guaranteed for the serviceable lifetime of the floorcovering under which it is laid when used in the recommended locations

Roll size: 1.37 m x 11.0 m

Specification	BS Requirements	Result	Method
Nominal weight		2545 g/m <sup>2</sup> (75 oz/sq yd)	
Thickness		3.60 mm	BS 4051
Mean original thickness from nominal thickness	Maximum 12%	1.2 %	
Difference between max. & min. original thicknesses	Maximum 3 mm	0.3 mm	
Work of compression	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 dynamic loading	2.2 mm	
Retention of work of compression	Minimum 40% of original after 1000 impacts	79 %	
Breaking strength - length	Minimum 40N	242 N	BS 2576
Breaking strength - width		106 N	
Extension under force - length	Maximum 10% @ 40N	0.5 %	
Extension under force - width		0.6 %	
Loss in thickness after dynamic loading	Maximum 15% after 1000 impacts	4.7 %	BS 4052
Loss in thickness after static loading	Maximum 15% after 24 hrs recovery	7.7 %	BS 4939
Resistance to cracking	Not greater than 50 mm	Pass	BS 5808
Odour		No objectionable odour	
Colour and appearance		Green sponge rubber sheet with silver Vapourstop membrane	

Acoustic Properties: Sone wood/laminate flooring test	Result	Method
Drum sound classification (indicative)	<b>S<sub>L30</sub></b>	EPLF-Norm 021029-1
<p>Drum sound emission = 56 Sone when tested with Uniclic 700 laminate flooring at the WKI Fraunhofer-Institut.                      Typical 2.5mm PE foam = 77 Sone.</p>		

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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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Other relevant tests	Notes	Result	Method
<b>Flammability</b>			
Hot metal nut		Low radius of effects of ignition	BS 4790 & BS 5287
French radiant panel		Class M3	NFP 92-506
<b>Barrier Properties</b>			
Moisture resistance	(g/m <sup>2</sup> /24hrs@38 °C/90%RH)	Typical value: 1.5	ASTM F1249
<b>Insulation</b>			
Thermal resistance		0.55 togs	BS 4745
Weighted impact sound improvement index (ΔLw)		23 dB	Tested to BSEN ISO 140-8: 1998, rated to BSEN ISO 717-2: 1997.
<b>Electrical Resistivity</b>			
	<u>25% RH</u>	<u>60% RH</u>	BS 6654
Vertical resistance	>10.0 x 10 <sup>12</sup> ohms	10.4 x 10 <sup>8</sup> ohms	
Horizontal resistance	>10.0 x 10 <sup>12</sup> ohms	2.7 x 10 <sup>8</sup> ohms	
Vertical resistivity	>5.0 x 10 <sup>14</sup> ohms/cm <sup>2</sup>	5.2 x 10 <sup>10</sup> ohms/cm <sup>2</sup>	
Horizontal resistivity	>9.0 x 10 <sup>13</sup> ohms/cm <sup>2</sup>	2.4 x 10 <sup>9</sup> ohms/cm <sup>2</sup>	