

InstaLay 50 (Plain and Self-Adhesive Products)

High Performance, Environmentally Friendly, Rubber Crumb Underlays

Domestic and commercial use

Rating: HC/U – Heavy Contract Use, suitable for heavy foot and wheel traffic and castor chairs

Manufactured using recycled rubber crumb - Guaranteed for 10 Years

Roll Size: 3mm - 1.0m x 10.0m (10.0m² / roll) / 3ft 3in x 32ft 10in (107.6ft² / roll)

Specification	BS Requirements	Result	Test Method
Nominal Weight		2.0 kg/m ² / 0.41 lb/ft ²	
Density		400 kg/m ³ / 25 lb/ft ³	
Nominal Roll Weight		20 kg / 44.1 lb	
Colour and Appearance		Black rubber crumb on a non-woven polypropylene backing	
Compound		Recycled tyre tread (minimum 80%)	
Bonding Agent		Synthetic Latex	
Breaking Strength and Elongation			
Breaking Strength – Direction 1	Minimum 40N	156.7N	BS 5808
Breaking Strength - Direction 2		152.9N	
Elongation – Direction 1	10% Maximum	2.476%	BS 5808
Elongation – Direction 2	extension for applied force of 40N	2.885%	
Elongation at Break – Direction 1		42.61%	BS 5808
Elongation at Break – Direction 2		44.34%	
Loss in Thickness			
a) Static loading: recovery period 24hrs	Maximum 15%	6.10%	BS 4939
b) Dynamic loading: after 1000 impacts	Maximum 15%	3.90%	BS 4052

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Nominal Thickness		5.0mm	
Thickness Deviation			
a) Mean original thickness from the nominal thickness	Maximum 12%	0.02%	BS 4051
b) Difference between maximum and minimum original thickness	Maximum 3mm	0.6mm	BS 4051
Compression after Dynamic Loading	Minimum 2mm Maximum 7mm	1.8mm	BS 4098
Work of Compression after Dynamic Loading	Minimum 50J/m ² Maximum 200J/m ²	66J/m ²	BS 4098
Retention of Original Work of Compression	Minimum 40%	101.8%	BS 4098
Resistance to Breaking or Cracking than 50mm	No cracks longer than 50mm	No cracks visible	BS 5808
Odour		No objectionable odour	
Thermal Resistance (R)		0.83 Togs	BS 4745
Acoustic Performance			
Measured Improvement of Impact Sound (ΔL_w)		26dB ΔL_w	BS EN ISO 140-8: 1998 & BS EN ISO 717-2: 1997
Impact Insulation Class (IIC)		IIC 58	ASTM – E492-09, E989-06 & E2179-03
Reaction to Fire Test performed on IL30hg with no floorcovering		Class E _{fl}	BS EN ISO 11925-2:2002

Please Note:

- InstaLay Self-Adhesive products must not be installed at temperatures below 10°C.
- For further information on the guarantee and product warranty, please refer to the InstaLay guarantee document which is available from the www.instafloor.co.uk website.