

InstaLay 50 (Plain and Self-Adhesive Products)

TECHNICAL SPECIFICATION

High Performance, Environmentally Friendly, Rubber Crumb Underlays

Suitable for domestic, contract and under-screed applications
 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: 1.0m x 10.0lm (10.0m² / roll) / 3ft 3in x 32ft 10in (107.6ft² / roll)

Specification	BS Requirements	Result	Test Method
Nominal Weight Density Nominal Roll Weight		2.0 kg/m ² / 0.41 lb/ft ² 400 kg/m ³ / 25 lb/ft ³ 20 kg / 44.1 lb	
Colour and Appearance Compound Bonding Agent		Black rubber crumb on a non-woven polypropylene backing Recycled tyre tread (minimum 80%) Synthetic Latex	
Breaking Strength and Elongation Breaking Strength – Direction 1 Breaking Strength - Direction 2 Elongation – Direction 1 Elongation – Direction 2 Elongation at Break – Direction 1 Elongation at Break – Direction 2	Minimum 40N 10% Maximum extension for applied force of 40N	156.7N 152.9N 2.476% 2.885% 42.61% 44.34%	BS 5808 BS 5808 BS 5808
Loss in Thickness a) Static loading: recovery period 24hrs b) Dynamic loading: after 1000 impacts	Maximum 15% Maximum 15%	6.10% 3.90%	BS 4939 BS 4052
Nominal Thickness Thickness Deviation a) Mean original thickness from the nominal thickness b) Difference between maximum and minimum original thickness	Maximum 12% Maximum 3mm	5.0mm 0.02% 0.6mm	BS 4051 BS 4051
Product Codes: IL50, IL50lg & IL50hg	Version: 12	Version Date: February 01, 2019	Page 1 of 2

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Specification	BS Requirements	Result	Test Method
Compression after Dynamic Loading	Minimum 2mm, Maximum 7mm	1.8mm	BS 4098
Work of Compression after Dynamic Loading			
Retention of Original Work of Compression	Minimum 50J/m ² , Maximum 200J/m ²	66J/m ²	BS 4098
	Minimum 40%	101.8%	BS 4098
Resistance to Breaking or Cracking	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 IL50		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.instafl oor.co.uk website.

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