

InstaLay 30 (Plain and Self-Adhesive Products)

TECHNICAL SPECIFICATION

High Performance, Environmentally Friendly, Rubber Crumb Underlays

Suitable for both domestic and contract 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: 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 Density Nominal Roll Weight		1.33 kg/m ² / 0.27 lb/ft ² 443 kg/m ³ / 27.7 lb/ft ³ 15 kg / 33 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	172.7N 168.6N 1.718% 1.900% 41.40% 45.89%	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%	2.90% 7.00%	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	3.2mm 9.4% 0.8mm	BS 4051 BS 4051
Compression after Dynamic Loading	Minimum 2mm, Maximum 7mm	1.0mm	BS 4098
Product Codes: IL30, IL30lg & IL30hg	Version: 14	Version Date: January 28, 2020	Page 1 of 2

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Specification	BS Requirements	Result	Test Method
Work of Compression after Dynamic Loading	Minimum 50J/m ² , Maximum 200J/m ²	35J/m ²	BS 4098
Retention of Original Work of Compression	Minimum 40%	112.3%	BS 4098
Resistance to Breaking or Cracking	No cracks longer than 50mm	No cracks visible	BS 5808
Odour		No objectionable odour	
Thermal Resistance (R)		0.60 Togs	BS 4745
Acoustic Performance			
Measured Improvement of Impact Sound (ΔL_w)		23dB ΔL_w	BS EN ISO 140-8: 1998 & BS EN ISO 717-2: 1997
Impact Insulation Class (IIC)		IIC 55	ASTM – E492-09, E989-06 & E2179-03
Reaction to Fire Test performed on IL30hg with LVT		Class C _{FL-S1}	BS EN ISO 9239-1:2002
Volatile Organic Compound (VOC) Emission Rate Test performed on IL30hg		0.029 mg/m ² /hr	ASTM D5116-97

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.instaflor.co.uk website.

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