

## 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 (10.0m<sup>2</sup> / roll) / 3ft 3in x 32ft 10in (107.6ft<sup>2</sup> / roll)

Specification	BS Requirements	Result	Test Method
Nominal Weight Density Nominal Roll Weight		1.33 kg/m <sup>2</sup> / 0.27 lb/ft <sup>2</sup> 443 kg/m <sup>3</sup> / 27.7 lb/ft <sup>3</sup> 15 kg / 33 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 Breaking Strength - Direction 2	Minimum 40N	172.7N 168.6N	BS 5808
Elongation – Direction 1 Elongation – Direction 2	10% Maximum extension for applied force of 40N	1.718% 1.900%	BS 5808
Elongation at Break – Direction 1 Elongation at Break – Direction 2		41.40% 45.89%	BS 5808
Loss in Thickness			
a) Static loading: recovery period 24hrs	Maximum 15%	2.90%	BS 4939
b) Dynamic loading: after 1000 impacts	Maximum 15%	7.00%	BS 4052
Nominal Thickness		3.2mm	
Thickness Deviation			
a) Mean original thickness from the nominal thickness	Maximum 12%	9.4%	BS 4051
b) Difference between maximum and minimum original thickness	Maximum 3mm	0.8mm	BS 4051

Product Codes: IL30, IL30lg & IL30hg	Version: 13	Version Date: February 01, 2019	Page 1 of 2
--------------------------------------	-------------	---------------------------------	-------------

## 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 (10.0m<sup>2</sup> / roll) / 3ft 3in x 32ft 10in (107.6ft<sup>2</sup> / roll)

Specification	BS Requirements	Result	Test Method
Compression after Dynamic Loading	Minimum 2mm, Maximum 7mm	1.0mm	BS 4098
Work of Compression after Dynamic Loading	Minimum 50J/m <sup>2</sup> , Maximum 200J/m <sup>2</sup>	35J/m <sup>2</sup>	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 ( $\Delta L_w$ )		23dB $\Delta L_w$	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 <sub>FL-s1</sub>	BS EN ISO 9239-1:2002
Volatile Organic Compound (VOC) Emission Rate Test performed on IL30hg		0.029 mg/m <sup>2</sup> /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.instafl oor.co.uk](http://www.instafl oor.co.uk) website.

Product Codes: IL30, IL30lg & IL30hg	Version: 13	Version Date: February 01, 2019	Page 2 of 2
--------------------------------------	-------------	---------------------------------	-------------