

## InstaLay 25 (Plain and Self-Adhesive Products)

### TECHNICAL SPECIFICATION

#### High Performance, Environmentally Friendly, Rubber Crumb Underlays

Domestic and commercial use, suitable for heavy foot traffic

Manufactured using recycled rubber crumb

Guaranteed for 10 Years

Roll Size: 2.5mm - 1.0m x 15.0m (15.0m<sup>2</sup> / roll) / 3ft 3in x 49ft 2in (161.4ft<sup>2</sup> / roll)

Specification	BS Requirements	Result	Test Method
Nominal Weight Density Nominal Roll Weight		1.13 kg/m <sup>2</sup> / 0.23 lb/ft <sup>2</sup> 452 kg/m <sup>3</sup> / 28.2 lb/ft <sup>3</sup> 17 kg / 37.5 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   Elongation at 30N (%)	230.0N 234.0N  1.05% 0.97%  40.60% 46.10%	BS EN 14499:2015   BS EN 14499:2015  BS EN 14499:2015
Loss in Thickness a) Static loading: recovery period 1hr  b) Static loading: recovery period 24hrs  c) Dynamic loading: after 1000 impacts	Maximum 15%  Maximum 15%	4.20%  3.60%  8.00%	BS EN 14499:2015  BS EN 14499:2015  BS EN 14499:2015
Nominal Thickness  Thickness Deviation a) Mean original thickness from the nominal thickness  b) Difference between maximum and minimum original thickness	Maximum 12%  Maximum 3mm	2.5mm  0.00%  0.3mm	BS EN 14499:2015  BS EN 14499:2015

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Specification	BS Requirements	Result	Test Method
Compression after Dynamic Loading		0.5mm	BS EN 14499:2015
Work of Compression after Dynamic Loading		19J/m <sup>2</sup>	BS EN 14499:2015
Retention of Original Work of Compression		97.2%	BS EN 14499:2015
Resistance to Breaking or Cracking	No cracks longer than 50mm	No cracks visible	BS EN 14499:2015
Odour		No objectionable odour	
Moisture Tolerance (RH%)		85% Relative Humidity 99% Relative Humidity	Without DPM (Visqueen) With 6 mil DPM (Visqueen)
Thermal Resistance (R)		0.43 Togs	BS 4745
Acoustic Performance			
Measured Improvement of Impact Sound ( $\Delta L_w$ )		17dB $\Delta L_w$ *	BS EN ISO 10140-3: 2010 & BS EN ISO 717-2: 2013
Impact Insulation Class (IIC)		IIC 50 **	ASTM – E492-09, E989-06 & E2179-03
Reaction to Fire Test performed on IL25hg with no floorcovering		Class E <sub>FL</sub> ***	BS EN ISO 11925-2

#### Please Note:

- InstaLay Self-Adhesive products must not be installed at temperatures below 10°C (50° F).
- 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) or [www.instafl oor na.com](http://www.instafl oor na.com) websites.
- \* Tested on 160mm / 6" concrete floor with no floor covering or ceiling system.
- \*\* IL25hg with LVT (2.5mm) tested on 160mm / 6" concrete floor with no drop ceiling.
- \*\*\* IL25hg is always installed with a floorcovering above, which would improve the installations fire classification.

Product Codes: IL25, IL25lg & IL25hg	Version: 05	Version Date: May 15, 2017	Page 2 of 2
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