

## InstaLay 25 (Plain, Moisture Barrier and Self-Adhesive Products)

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

#### Domestic and commercial use

Manufactured using recycled rubber crumb - Guaranteed for 10 Years

Roll Size: 2.5mm - 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		1.13 kg/m <sup>2</sup> / 0.23 lb/ft <sup>2</sup>	
Density		452 kg/m <sup>3</sup> / 28.2 lb/ft <sup>3</sup>	
Nominal Roll Weight		12 kg / 26.5 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	230.0N	BS EN 14499:2015
Breaking Strength - Direction 2		234.0N	
Elongation – Direction 1	Elongation at 30N	1.05%	BS EN 14499:2015
Elongation – Direction 2	(%)	0.97%	
Elongation at Break – Direction 1		40.60%	BS EN 14499:2015
Elongation at Break – Direction 2		46.10%	
Loss in Thickness			
a) Static loading: recovery period 1hr		4.20%	BS EN 14499:2015
b) Static loading: recovery period 24hrs	Maximum 15%	3.60%	BS EN 14499:2015
c) Dynamic loading: after 1000 impacts	Maximum 15%	8.0%	BS EN 14499:2015

## InstaLay 25 (Plain, Moisture Barrier and Self-Adhesive Products)

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

Specification	BS Requirements	Result	Test Method
Nominal Thickness		2.5mm	
Thickness Deviation			
a) Mean original thickness from the nominal thickness	Maximum 12%	0.00%	BS EN 14499:2015
b) Difference between maximum and minimum original thickness	Maximum 3mm	0.3mm	BS EN 14499:2015
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		Class <sub>EFL</sub> ***	BS EN ISO 11925-2
Test performed on IL25hg with no floorcovering			
Moisture Barrier			
This applies only to the IL25mb product		300 $\mu$ (Microns)	

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.instafloor.co.uk](http://www.instafloor.co.uk) or [www.instafloorna.com](http://www.instafloorna.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.