

InstaLay 25 (Plain, Moisture Barrier 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 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		1.13 kg/m ² / 0.23 lb/ft ² 452 kg/m ³ / 28.2 lb/ft ³ 12 kg / 26.5 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

Product Codes: IL25, IL25mb & IL25hg

Version: 07

Version Date: February 01, 2019

Page 1 of 2

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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 ²	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 (ΔL_w)		17dB ΔL_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 _{FL} ***	BS EN ISO 11925-2
Moisture Barrier This applies only to the IL25mb product		300 μ (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.instafl oor.co.uk or 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.

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