

InstaLay 30 (Plain and Self-Adhesive Products)

High Performance, Environmentally Friendly, Rubber Crumb Underlays

Domestic and commercial use

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 | | 1.33 kg/m ² / 0.27 lb/ft ² | |
| Density | | 443 kg/m ³ / 27.7 lb/ft ³ | |
| Nominal Roll Weight | | 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 | Minimum 40N | 172.7N | BS 5808 |
| Breaking Strength - Direction 2 | | 168.6N | |
| Elongation – Direction 1 | 10% Maximum | 1.718% | BS 5808 |
| Elongation – Direction 2 | extension for applied force of 40N | 1.900% | |
| Elongation at Break – Direction 1 | | 41.40% | BS 5808 |
| Elongation at Break – Direction 2 | | 45.89% | |
| 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 |

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|---|---|-----------------------------|--|
| 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 |
| Compression after Dynamic Loading | Minimum 2mm Maximum 7mm | 1.0mm | BS 4098 |
| 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 than 50mm | No cracks longer | 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 no floorcovering | | Class C _{FL-S} 1 | 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.instafloor.co.uk website.