



InstaLay[®]

Self-adhesive
cushion underlays
for carpet tiles
and carpets



InstaFloor[®]

SUPPORTING YOUR WORLD



High Performance Self-Adhesive Cushion Underlays

Unique to the global market, the InstaLay system is a patented range of high performance underlay products for the flooring market that incorporate an innovative self-adhesive system. By significantly reducing the need for glue or grippers, the InstaLay system revolutionises the way carpet tiles and broadloom carpets are fitted by cutting labour times and enabling rapid quality single and double-stick installations without mess or delays.

The InstaLay system has the benefit of being supported internally by recycled vulcanized rubber crumb granules, unlike traditional foam and textile underlays. The advantages are that when InstaLay is compressed the rubber granules provide excellent cushioning performance, but when the pressure is released these granules immediately return to their original shape. In addition to being non-collapsing, they will not degrade over time and have excellent acoustic properties.

InstaFloor and sister company InstaCoustic have been leading providers to the flooring market for over 25 years. During this time they have developed a reputation for providing high quality flooring products that give exceptional performance and are backed by first class customer service.

BENEFITS OF INSTALAY RECYCLED RUBBER CRUMB UNDERLAYS

- Unique self-adhesive construction that considerably reduces installation times and costs
- Loose lay carpet tile installation, without wet adhesives, for rapid fitting and easy future lifting
- Significantly reduces sub-floor preparation times as screeds or smoothing compounds are often not required
- Forgives minor sub-floor imperfections
- Eliminates adhesive open time delays and early/late placement issues
- Quick to fit, easy to work with – no messy adhesives in contact with the floor covering
- Can be walked on immediately after the floor covering is installed
- Can be installed directly over existing floor coverings without causing damage
- Extremely installer friendly, enabling carpet tiles to be set and reset as necessary
- Transforms cold, hard and 'unfriendly' flooring installation into a softer, warmer, anti-fatigue system that appeals to retail, hospitality, medical and education sectors
- Suitable for loose lay (single-stick) and double-stick applications
- Provides superb stability, performance and durability, particularly in concentrated high foot traffic areas
- Manufactured using recycled rubber crumb, providing comfort and long lasting acoustic performance
- Significantly reduces the need for carpet grippers or adhesive
- Adhesive membrane allows simple fitting to stairs
- Hygienic - naturally anti-microbial, anti-allergy, non-absorbant and resistant to decay
- Low VOC's for a healthier environment
- Environmentally friendly and fully recyclable
- Will not deteriorate or collapse over time
- Can be used with underfloor heating systems
- Guaranteed for 10 years

Environmentally Friendly



- Made from recycled tyre rubber
- Bonded with synthetic rubber
- Fully recyclable – 'Cradle to Cradle'



APPLICATIONS

Single-Stick Applications	InstaLay hg High Grab adhesive for a permanent bond		InstaLay lg Low Grab adhesive for future lifting	
	30hg	50hg	30lg	50lg
<i>Carpet Tile Types:</i>				
All types	✓	✓	✓ preferred	✓ preferred
<i>Broadloom carpet types:</i>				
Tufted	✓	✓	X	X
Woven	✓	✓	X	X
Fibre Bonded	X	✓	X	X
Natural Fibre	X	✓	X	X
Double-Stick Applications	30hg	50hg	30lg	50lg
<i>Carpet Tile Types:</i>				
All types	✓	✓	✓	✓
<i>Broadloom carpet types:</i>				
Tufted	✓	✓	X	X
Woven	✓	✓	X	X
Fibre Bonded	✓	✓	X	X
Natural Fibre	✓	✓	X	X



PRODUCT INFORMATION

Details	InstaLay 30	InstaLay 50
Compound	Minimum 80% recycled rubber crumb	Minimum 80% recycled rubber crumb
Bonding Agent	Synthetic latex	Synthetic latex
Backing Type	Non-Woven Polypropylene	Non-Woven Polypropylene
Thickness	3mm	5mm
Weight	1.3 kg/m ² / 0.27 lb/ft ²	2.0 kg/m ² / 0.41 lb/ft ²
Density	443 kg/m ³ / 27.6 lb/ft ³	400 kg/m ³ / 25.0 lb/ft ³
Roll Size	1m x 15m / 3' 3" x 49' 2"	1m x 10m / 3' 3" x 32' 10"
Area	15m ² / 161.4ft ²	10m ² / 107.6 ft ²
Roll Weight	20 kg / 44.1 lb	20 kg / 44.1 lb
Thermal Resistance BS 4745:2005 (ISO 5085-1:1989)	0.60 togs	0.83 togs
Measured Improvement of Impact Sound (ΔLw) BS EN ISO 140-8:1998	23dB *	26dB *
Impact Insulation Class (IIC) ASTM - E492-09	55 *	58 *
Odour	No Objectionable Odour	No Objectionable Odour
Volatile Organic Compound (VOC)	0.029 mg/m ² /hr (low VOC emission)	—

*Tested on 150mm / 6" concrete floor with no floor covering or ceiling system

FITTING TIPS AND CONSIDERATIONS

It is strongly advised that the following tips and considerations are read in conjunction with the comprehensive and detailed fitting instructions and fitment demonstration video which can be viewed and/or downloaded from our website at www.instafl oor.co.uk

- The highly versatile **InstaLay** products are suitable for both single and double-stick installations.
- The type of adhesive membrane selected (low or high grab adhesion) will be dependent on the type of application: low grab is for installations where future lifting, without replacing the underlay, is envisaged; high grab is for installations where a more permanently bonded floor covering is required.
- The **InstaLay** products will revolutionise the usual cold, hard and relatively 'unfriendly' carpet tile installation into a softer, warmer, anti-fatigue and plusher installation, that is particularly inviting to customers in the retail commercial sector. If regular tile replacement is envisaged, then it is recommended that the low grab product is used.
- In certain situations, the type of floor covering will determine the necessary adhesion strength. As broadloom fibre bonded carpets have strong memory and natural fibre carpets are prone to bubbling, they should both always be fitted using the high grab adhesive products (IL30hg and IL50hg).
- A woven carpet with a jute backing should always be installed using grippers around the edges and the joins should be secured with heat bond tape. This type of carpet shrinks dramatically during wetting and drying cycles and therefore has to be fitted in this manner. For a more detailed description of how to undertake a heat bond tape join using the InstaLay system, please view our carpet fitment demonstration video at www.instafl oor.co.uk/Products/InstaLay.aspx
- InstaLay 30hg is the ideal product to use as an underlay on stairs but it must always be installed using a double-stick method in this area. The high grab adhesive membrane provides quick and easy adhesion to the floor covering. The excellent high traffic performance of **InstaLay** ensures that the underlay is extremely durable in this uniquely concentrated high foot traffic area.
- In most instances, broadloom carpets laid on **InstaLay** can be simply butt-joined with the strength of the adhesive membrane keeping the joins intact throughout the life of the installation. However, where the installation will be subject to wheeled traffic, castor wheels, high foot traffic or wet cleaning, it is recommended that the joins be secured using heat bond tape (see photo, top right).

InstaLay®



SOUND INSULATION

InstaLay provides an excellent solution for reducing impact sound. As **InstaLay** is made using recycled rubber crumb granules, this gives a high quality long lasting performance providing significant noise reduction and exceptional underfoot comfort.

ACOUSTIC PERFORMANCE

Floor covering	Underlay	Acoustic Performance
Woven Carpet (2689gsm)	InstaLay 50	41dB (ΔL_w)
Woven Carpet (2689gsm)	InstaLay 30	40dB (ΔL_w)
Tufted Carpet (1480gsm)	InstaLay 50	36dB (ΔL_w)
Tufted Carpet (1480gsm)	InstaLay 30	30dB (ΔL_w)
Carpet Tile (Bitumen-backed)	InstaLay 30	29dB (ΔL_w)

GUARANTEE

InstaLay high performance peel & stick acoustic underlays are guaranteed for a period of 10 years from the date of installation.

This guarantee applies to all types of indoor installations when used as an underlayment to a fitted floor covering at ambient room temperatures.

This guarantee covers against manufacturing defects and is only upheld in instances where our recommended product selection, installation methods and claim procedures have been strictly adhered to.

In the event of a confirmed product failure due to a manufacturing defect, the company will replace the defective portion of the underlayment with new equivalent product, free of charge.



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