



InstaLay[®]

Self-adhesive
acoustic underlays
for wood floors



InstaFloor[®]

SUPPORTING YOUR WORLD



High Performance Self-Adhesive Acoustic Underlays

Unique to the global market, **InstaLay** is a revolutionary, patented, flooring installation system that reduces sub-floor preparation and eliminates the need for wet adhesives. It significantly reduces labour times and makes installation quick, clean and simple. **InstaLay** adds comfort and sound absorption to improve the performance of solid and engineered wood floors in private homes, hospitality, retail, healthcare, multi-family housing, education facilities and more.

The **InstaLay** system has the benefit of being supported internally by recycled vulcanized rubber crumb granules, unlike traditional air filled textile, foam and plastic 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, 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.

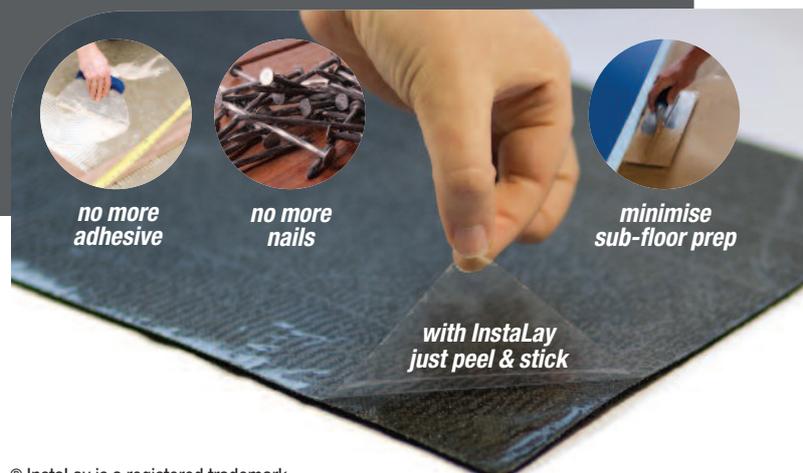
BENEFITS OF INSTALAY RECYCLED RUBBER CRUMB UNDERLAYS

- Unique self-adhesive construction that considerably reduces installation times and costs
- Loose lay 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
- Adhesive membrane removes the need for glue and nails
- 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
- Elastic cohesion compensates for seasonal movement
- Two adhesive types to choose from – high grab and low grab
- Adhesive membrane provides perfect adhesion and enhances the click joint system
- 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
- Hygienic - naturally anti-microbial, anti-allergy, non-absorbent 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'

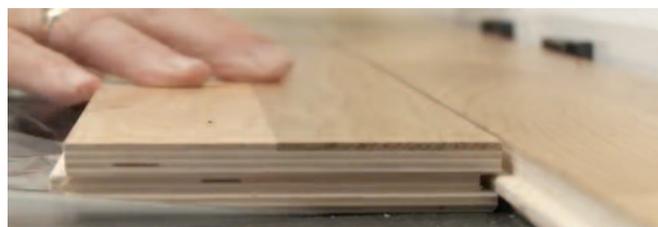


APPLICATIONS

InstaLay loose laid to the sub-floor (single-stick applications)

	InstaLay hg High Grab adhesive for a permanent bond			InstaLay lg Low Grab adhesive for future lifting	
	25hg	30hg	50hg	30lg	50lg
Solid Wood (Tongue & Groove)	✓	✓ preferred	✓ preferred	X	X
Engineered Wood (Tongue & Groove)	✓	✓ preferred	✓ preferred	X	X
Bamboo (Tongue & Groove)	✓	✓ preferred	✓ preferred	X	X
Engineered Wood (Click Joint)	✓	✓	✓	✓ preferred	✓ preferred
Laminate (Click Joint)	✓	✓	✓	✓ preferred	✓ preferred
Parquet Flooring (No Joint System)	✓	✓ preferred	✓	X	X

These innovative high grab and low grab pressure-sensitive adhesives have been carefully selected to satisfy the particular requirements of different flooring applications. The high grab variety is designed to lock the wood together seamlessly and provide a permanent bond, without the need for time consuming glue and brace techniques. The low grab version allows for easy installation and provides a physical bond to the underside of click joint wood floors that ensures maximum acoustic performance.



PRODUCT INFORMATION

Details	InstaLay 25	InstaLay 30	InstaLay 50
Compound	Minimum 80% recycled rubber crumb	Minimum 80% recycled rubber crumb	Minimum 80% recycled rubber crumb
Bonding Agent	Synthetic latex	Synthetic latex	Synthetic latex
Backing Type	Non-Woven Polypropylene	Non-Woven Polypropylene	Non-Woven Polypropylene
Thickness	2.5mm	3mm	5mm
Weight	1.13 kg/m ² / 0.23 lb/ft ²	1.3 kg/m ² / 0.27 lb/ft ²	2.0 kg/m ² / 0.41 lb/ft ²
Density	452 kg/m ³ / 28.2 lb/ft ³	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 15m / 3' 3" x 49' 2"	1m x 10m / 3' 3" x 32' 10"
Area	15m ² / 161.4ft ²	15m ² / 161.4ft ²	10m ² / 107.6 ft ²
Roll Weight	17 kg / 37.5 lb	20 kg / 44.1 lb	20 kg / 44.1 lb
Thermal Resistance BS 4745:2005 (ISO 5085-1:1989)	0.43 togs	0.60 togs	0.83 togs
Measured Improvement of Impact Sound (ΔLw) BS EN ISO 140-8:1998	17dB *	23dB *	26dB *
Impact Insulation Class (IIC) ASTM - E492-09	49 *	55 * 63 **	58 *
Odour	No Objectionable Odour	No Objectionable Odour	No Objectionable Odour
Volatile Organic Compound (VOC)	—	0.029 mg/m ² /hr (low VOC emission)	—
Reaction to Fire BS EN ISO 9239-1:2002	—	Class C _F L-S1***	—

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.insta-floor.co.uk

- The highly versatile **InstaLay** products are suitable for most types of wood floor installations, including; solid wood tongue & groove, engineered wood, bamboo, laminate and parquet plank floor coverings.
- The type of adhesive membrane required (low or high grab adhesion) will be dependent on the type of joint that the floor covering offers: high grab is required for tongue & groove and parquet plank products, while low grab is required for click systems. The low grab adhesion below the click joint floor covering adheres perfectly to the underside of the boards to provide superior acoustic performance, eliminate 'echo chambers' and maintain the integrity and support of the click joints. The high grab adhesion below the other joint types actually holds the entire installation together whilst providing the required acoustic performance.
- The choice of **InstaLay** thickness (3mm or 5mm) is determined by the sub-floor irregularity and the level of acoustic performance required from the installation. Unlike other air-filled underlays, **InstaLay** does not collapse over time under wood floor coverings and even the 5mm product can be used under any wood floor with total confidence. Using the 5mm product can often circumvent the need to re-screed an irregular sub-floor, which saves both time and money. It is also the thickness of choice when superior acoustic performance is required, boasting a massive 26dB ΔL_w measured impact sound improvement.
- **InstaLay** is always fitted using a single-stick method with wood floor coverings. Never use a double-stick installation method as the **InstaLay** is designed to expand and contract together with the wood floor that it is adhered to and therefore should never be bonded to the sub-floor.
- A separate damp proof membrane (DPM) must always be fitted below the **InstaLay** on all ground floor slabs, new concrete bases and on slabs where the moisture content exceeds the recommended level of acceptance by the wood floor manufacturer.
- All wood floor coverings must be properly acclimatised in the installation environment, in accordance with the manufacturer's recommendations, prior to commencing the installation.
- The fitment method for wood floor coverings using the **InstaLay** self-adhesive system is extremely quick and easy. The best way to familiarise yourself with this fitment method is to view our wood floor fitment demonstration video at: www.insta-floor.co.uk/Products/InstaLay.aspx

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
No covering	InstaLay 25	17dB (ΔL_w) / 49 (IIC)
No covering	InstaLay 30	23dB (ΔL_w) / 55 (IIC)
No covering	InstaLay 50	26dB (ΔL_w) / 58 (IIC)
Laminate (7mm)	InstaLay 30	59 (FIC)
Bamboo (10mm)	InstaLay 30	60 (IIC)
Engineered Wood (14mm)	InstaLay 30	18dB (ΔL_w) / 57 (FIC)
Solid Wood (21mm)	InstaLay 30	57 (FIC)

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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