

InstaLay[®]

Self-adhesive acoustic underlays



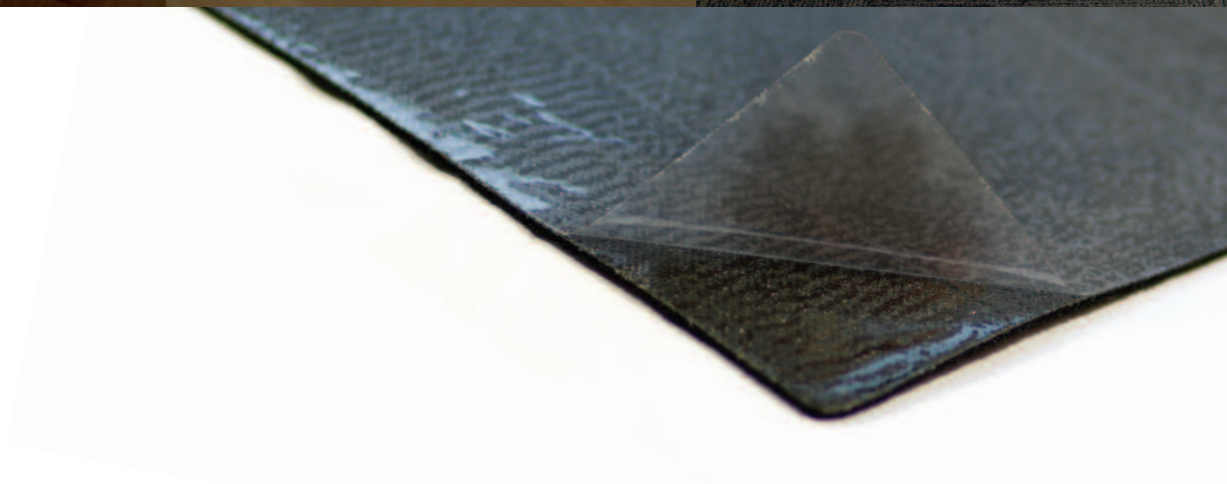
Wood / Laminate



LVTs / Ceramic & Stone Tiles



Carpet Tiles / Carpet



 **InstaFloor[®]**
SUPPORTING YOUR WORLD

InstaLay®

Benefits

InstaLay is a revolutionary, patented, flooring installation system that reduces sub-floor preparation and eliminates the need for adhesive, making installation quick, clean and simple. InstaLay adds comfort and sound absorption to improve the performance of common floor covering products 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 foam and textile underlays. Therefore 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.



Easy installation reduces time and costs

- No adhesive required
- Loose lay installation
- Minimises sub-floor preparation
- Installs over existing flooring



Comfort

- Anti-fatigue properties provide underfoot comfort
- Improved shock absorption for fitness and dance studios



Acoustic performance

- Manufactured using recycled rubber crumb to provide excellent acoustic performance

InstaLay 25

- Impact Sound Improvement – 17dB ΔL_w
- Impact Insulation Class (IIC) – 49

InstaLay 30

- Impact Sound Improvement – 23dB ΔL_w
- Impact Insulation Class (IIC) – 55

InstaLay 50

- Impact Sound Improvement – 26dB ΔL_w
- Impact Insulation Class (IIC) – 58

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

InstaLay®

Applications

The range of patented InstaLay products are manufactured using recycled rubber tyres that provide superior durability, cushioning support and sound reduction to improve the performance of many types of floor coverings.



Carpet Tiles / Carpet

- Carpet Tiles
- Broadloom Carpet
- Natural Floor Coverings



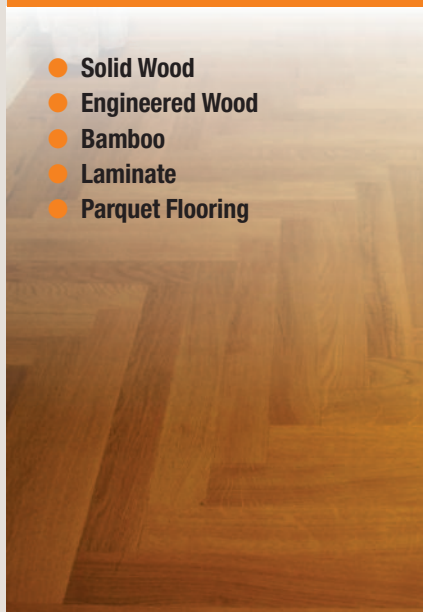
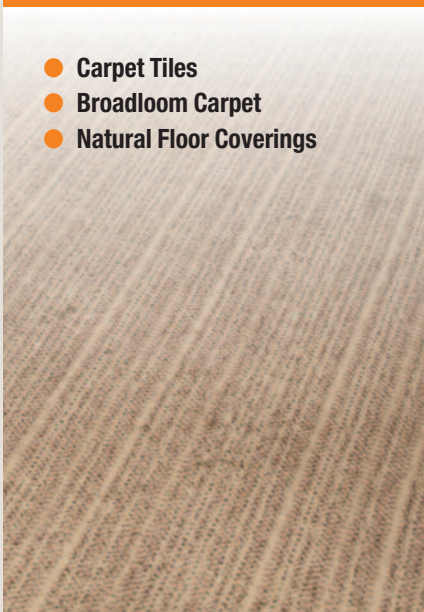
Wood / Laminate

- Solid Wood
- Engineered Wood
- Bamboo
- Laminate
- Parquet Flooring



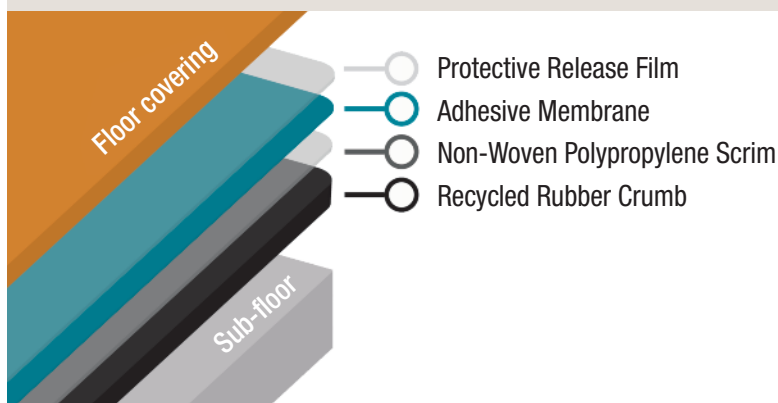
Luxury Vinyl Tiles / Ceramic & Stone Tiles

- Luxury Vinyl Tiles
- Woven Vinyl Tiles
- Ceramic and Porcelain Tiles
- Natural Stone Tiles



InstaLay®

Self-adhesive acoustic underlays



PRODUCT RANGE

InstaLay 25hg

2.5mm underlay with permanent self-adhesive bond (high grab). Ideal for LVT's (dryback) and woven vinyl tiles (dryback), with a thickness of $\geq 2.5\text{mm}$, and ceramic, porcelain and natural stone tiles.

InstaLay 30hg

3mm underlay with permanent self-adhesive bond (high grab). Ideal for LVT's (dryback) and woven vinyl tiles (dryback) with a thickness of $\geq 3.0\text{mm}$, solid/engineered wood (tongue and groove) and broadloom carpet installations.

InstaLay 30lg

3mm underlay with non-permanent self-adhesive bond (low grab). Ideal for carpet tiles, LVT's (click joint) with a thickness of $\geq 3.0\text{mm}$ engineered wood (click joint) and laminate (click joint) installations.



Environmentally Friendly

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

InstaLay 50hg

5mm underlay with permanent self-adhesive bond (high grab). Ideal for solid/engineered wood (tongue and groove) and broadloom carpet installations.

InstaLay 50lg

5mm underlay with non-permanent self-adhesive bond (low grab). Ideal for carpet tiles, engineered wood (click joint) and laminate (click joint) installations.

TRUE CRADLE TO CRADLE RECYCLING (NO DOWNCYCLING)



Install 1000m² (10,764 ft²) of InstaLay and recycle 127 truck tyres or 555 car tyres*



Comfort

- Cushion underlay providing underfoot comfort
- Anti-fatigue properties for applications where people are on their feet for long periods of time
- Rubber crumb provides superb stability, performance and durability
- Transforms cold, hard and 'unfriendly' floors into softer and warmer installations



Acoustic performance



Floor covering	Underlay	Acoustic Performance ΔL_w
Woven Carpet (2689gsm)	InstaLay 50	41dB
Woven Carpet (2689gsm)	InstaLay 30	40dB
Tufted Carpet (1480gsm)	InstaLay 50	36dB
Tufted Carpet (1480gsm)	InstaLay 30	30dB
Carpet Tile (Bitumen-backed)	InstaLay 30	29dB
LVT (3mm)	InstaLay 30	63 (IIC)
Bolon Woven Vinyl Tile (3mm)	InstaLay 30	21dB / 53 (IIC)
Laminate (7mm)	InstaLay 30	59 (FIIC)
Bamboo (10mm)	InstaLay 30	60 (IIC)
Engineered Wood (14mm)	InstaLay 30	18dB / 57 (FIIC)
Solid Wood (21mm)	InstaLay 30	57 (FIIC)
LVT (2.5mm)	InstaLay 25	18dB / 50 (IIC)
Ceramic Tile (10mm)	InstaLay 25	19dB / 51 (IIC)

FEATURES & BENEFITS

- 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
- 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
- No wet adhesive or nails required for wood flooring
- Transforms cold, hard and 'unfriendly' flooring installation into a softer, warmer, anti-fatigue system that appeals to retail, hospitality, medical and education sectors
- Polypropylene membrane prevents plasticiser migration between vinyl and rubber
- 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



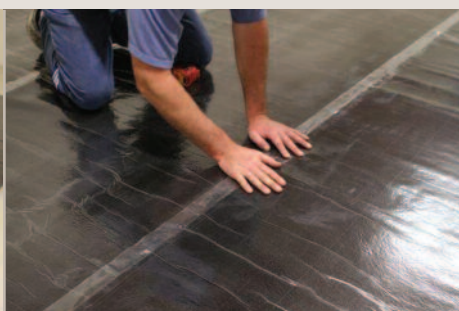
InstaLay®

The InstaLay solution – No messy adhesives. Quick and easy to use.



Step 1

Loose lay the rolls of InstaLay over the sub-floor



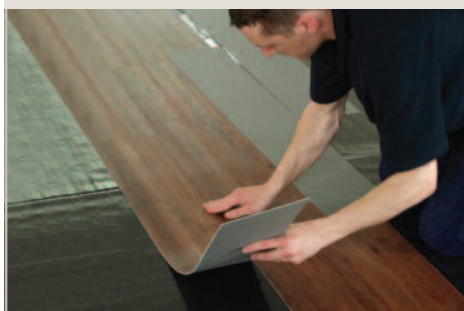
Step 2

Make sure the rubber side is facing down with the release film facing up



Step 3

Wood / Parquet / Laminate / Bamboo



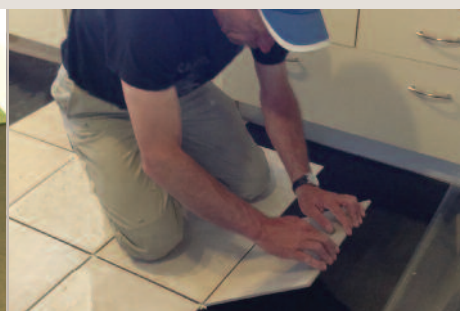
Step 3

Luxury Vinyl Tiles



Step 3

Carpet Tiles / Carpet



Step 3

Ceramic / Porcelain / Natural Stone Tiles

Unique, self-adhesive construction that considerably reduces installation times and costs

Please go to www.instafloor.co.uk for detailed installation instructions and demonstration videos

InstaLay®

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 10m / 3' 3" x 32' 10"	1m x 10m / 3' 3" x 32' 10"	1m x 10m / 3' 3" x 32' 10"
Area	10m ² / 107.6ft ²	10m ² / 107.6ft ²	10m ² / 107.6 ft ²
Roll Weight	12 kg / 26.5 lb	15 kg / 33 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 _{FL} -S1***	—

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

** IL30hg with LVT (3mm) tested on 150mm / 6" concrete floor with drop ceiling

*** Test performed on IL30hg with LVT

APPLICATIONS

Please refer to the table below in order to select the right InstaLay product.

	InstaLay hg High Grab adhesive for a permanent bond			InstaLay lg Low Grab adhesive for future lifting	
	25hg	30hg	50hg	30lg	50lg
Carpet Tiles	X	✓	✓	✓ preferred	✓ preferred
Broadloom Carpet	X	✓	✓	X	X
Natural Floor Coverings	X	✓	✓	X	X
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
Luxury Vinyl Tiles (Dryback) ≥ 2.5mm	✓	X	X	X	X
Luxury Vinyl Tiles (Dryback) ≥ 3.0mm	✓ preferred†	✓	X	X	X
Luxury Vinyl Tiles (Click Joint) ≥ 3.0mm	✓	✓	X	✓ preferred	X
Woven Vinyl Tiles (Dryback) ≥ 2.5mm	✓	X	X	X	X
Woven Vinyl Tiles (Dryback) ≥ 3.0mm	✓ preferred†	✓	X	X	X
Loose Lay Vinyl Tiles ≥ 4.0mm	✓	X	X	X	X
Ceramic / Porcelain Tiles††	✓	X	X	X	X

†See separate LVT Dryback application recommendations document

††An InstaFloor approved pre-mixed flexible grout must be used for all installations

Environmentally Responsible Flooring Solutions – Worldwide



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