

## InstaLay 30 & 50 (low and high grab)

### INSTALLATION INSTRUCTIONS Carpet Tile Flooring Installation Using The InstaLay Self-Adhesive Installation System (loose laid to the sub-floor)

#### **Acoustic cushion system for use below most types of Carpet Tile Flooring products**

Domestic and commercial use, suitable for heavy foot traffic  
Manufactured using recycled rubber crumb. Guaranteed for 10 Years  
Roll Size: 3mm & 5mm - 1.0m x 10.0m (10.0m<sup>2</sup> / roll) / 3ft 3in x 32ft 10in (107.6ft<sup>2</sup> / roll)

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1. InstaLay is suitable for all types of bitumen backed carpet tiles. Some carpet tiles have non-bitumen backings, including PVC, which may affect the long-term adhesion to the InstaLay adhesive system. Before installing non-bitumen/PVC backed carpet tiles please seek the advice of the InstaFloor technical team who will provide a recommendation for your project.
2. The sub-floor must be sufficiently level (for imperfections not to protrude through InstaLay) and dry. InstaLay is a moisture tolerant installation system that can be used over concrete sub-floors without a DPM, where the moisture level does not exceed 90% RH. If sub-floor relative humidity is above 90%, a damp proof membrane (DPM) such as 600 gauge (6mil) polythene sheeting must be used under the InstaLay loose lay system. The sub-floor must also be sound and suitable for receiving a floor covering. When installations are to be carried out in newly constructed buildings, the structure must be fully enclosed and watertight.
3. A DPM is recommended on all concrete floor slabs where the moisture level is above 90% RH. If a DPM is required, the joints should be overlapped by a minimum of 150mm (6in) and be taped and sealed with waterproof adhesive tape. The DPM should be allowed to extend up the perimeter walls by 50mm (2in), and can later be trimmed level with the surface of the finished floor, to allow moisture vapour to be expelled above the finished floor height around the perimeter of the room.
4. The carpet tiles should always be allowed to condition prior to the installation. Before starting the installation, always follow the manufacturer's conditioning recommendations carefully. The InstaLay must also be conditioned, together with the carpet tiles, for the same length of time in the environment where the installation will take place. It is important to control the internal temperature and humidity during and following the installation and we recommend that if a HVAC system is installed, it should be running constantly to maintain the required conditions. The air conditioning system should be allowed to run for a sufficient time to create the normal internal climate that the floor will be subject to during normal use. Once the climate has been stabilized, InstaLay and the floor covering should be conditioned to this environment for at least 48 hours prior to the installation.
5. Roll out and position the InstaLay (over the DPM, if fitted) with the exposed rubber surface facing downwards and the release film facing upwards (see Photo 1), in rows next to one another (do not overlap the InstaLay).

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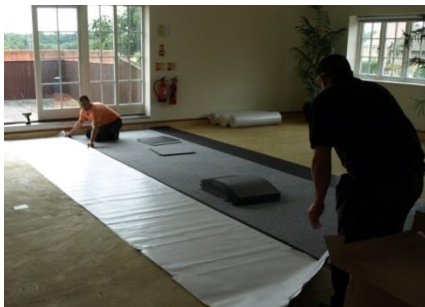
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- Cover the entire floor area to be fitted with InstaLay. Joins must be closely butted together (to ensure that there are no gaps in the InstaLay) and run in the opposite direction to the planned carpet tile flooring edges (see Photo 1). When fitting a square tile system, care should be taken to set out the InstaLay to prevent tile edges coinciding with the underlay joins. In this instance, a 45° angle could be used as described in the installation tips provided at the end of this document.

**Photo 1**



- Always ensure that the carpet tiles are clean and completely dust-free. If they are at all dusty, wipe them down using a clean, damp, lint-free cloth and allow them to dry off completely before installation.
- When setting out the carpet tile pattern, ensure that all edges are staggered between the InstaLay and the finished floor tile. With the release film still in place on the InstaLay, loose lay the carpet tiles to make sure that the perimeter tiles have a sensible size cut against the wall.
- There are various ways of setting out the pattern of carpet tiles. Follow the manufacturer's fitting instructions for the carpet tile orientation design being used (take note of the carpet pile direction by the markings on the backing of the tile). Use a suitable pen and mark out the centre lines on the release film. It is not necessary to leave an expansion gap between the wall and the carpet tile around the perimeter of the room.

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10. Once you have set out the first several rows, cut the InstaLay release film to expose the low or high grab adhesive membrane. Take care not to cut into the scrim itself whilst cutting the release film. It is recommended that the release film is lifted off the InstaLay slightly during this cutting process so that the adhesive membrane is not damaged in any way. Remove the release film only from the area you intend to work in immediately and ensure that no dirt or dust is introduced onto the adhesive membrane once it is exposed.
11. With the InstaLay Self-Adhesive Installation system, you don't need to allow an open time for the adhesive and installation can commence immediately once the adhesive membrane has been exposed. InstaLay provides perfect adhesion for each tile every time.
12. When laying each carpet tile, place it gently onto the adhesive membrane ensuring that each tile position gives a tight join (see Photo 2). Particular care should be taken to ensure that tiles are tightly butted together with the backing of adjacent tiles touching. Loose joints will result in movement and poor floor performance. Also ensure that pile is not caught at the joint. Once each tile has been positioned correctly, press the tile firmly on to the adhesive membrane to ensure good adhesion. Avoid too much pressure on adjoining tiles as this will cause them to "peak" or "buckle".

#### Photo 2



**InstaLay 30 & 50 (low and high grab)**

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13. Once the first section of carpet tiles have been installed, the installation can be continued in incremental sections by removing the release film in stages across the remaining floor, allowing for the carpet tiles to be fitted in a planned manner as shown in Photo 3.

**Photo 3**



14. When a suitably large section has been fitted, it should be thoroughly rolled in both directions using a light weight roller (maximum roller weight of 20kg / 45lbs). Repeat this process for all additional sections until the entire floor has been fitted (as shown in Photo 4).

**Photo 4**



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#### Installation Tips:

- In certain installations, it may be advantageous to roll out and position the InstaLay at a 45° angle to planned carpet tile joins, in order to minimise the tile edges coinciding with the underlay joins.

#### Please note:

- ✓ For any situation where a castor wheel chair may be used, a floor protection mat should always be used. This prevents any possible damage to the carpet tile by the castor wheels.
- ✓ When the adhesive membrane is exposed, avoid contamination with dirt or dust as this will cause a weakening of the adhesive bond.
- ✓ In installations where underfloor heating is used, the heating should be switched off 48 hours prior to installation and 48 hours afterwards. It should be brought slowly back up to working temperature; a maximum of 27°C (80°F). Peak temperatures should be avoided for a further 7 days.
- ✓ Always check the TOG rating when selecting carpet tiles for underfloor heating situations. We would recommend a TOG rating of not more than 2.5 for the underlay and carpet tile combined.
- ✓ For heavy traffic walk ways and castor wheel situations we would recommend that InstaLay 30lg should be used. InstaLay 50lg should not be used for these types of installations due to the higher compressibility of this system.