

# UltraCore 5G Lock Installation Instructions



## General Information

UltraCore is a fully waterproof\* floating floor with excellent acoustic and thermal properties made lightweight and rigid to assist installation over uneven subfloor surfaces. It is essential that these installation instructions are followed to ensure a quality fit that complies with our warranty terms.

UltraCore is suitable for commercial and residential use but it is not suitable for installation outdoors nor in rooms that will be continually wet. Install permanent fixtures prior to installation of UltraCore, leaving a space for expansion and contraction, see below. Fill expansion spaces around potentially wet areas with a suitable antimicrobial gap filler (silicone). A separate underlayment is not required.

## Acclimatisation of material

- For commercial installations make sure flooring materials are removed from packaging at least 48 hours prior to installation, (planks may be stacked, but must be rested flat) and allowed to condition in the room where the installation is to take place. Room temperature must be kept between 18-27°C (64-81°F).
- For residential installations acclimatisation is not essential if the product temperature is already in the range 18-27°C (64-81°F).

## Subfloors

Before UltraCore may be installed, all subfloors should be solid and sound, smooth and level, clean and swept free of all debris. Measured moisture must be less than 95%RH, (or no more than 5lbs. moisture/1000 ft<sup>2</sup>/24 hours:calcium chloride test). Any unevenness in the subfloor should be limited to a maximum of 5mm below the level for 3m in any direction

**Any isolated highpoints/ridges must first be removed in order to avoid damage to the product.**

- **Concrete/Screeds:** For an RH between 75%-95%RH where the subfloor is uneven an appropriate smoothing compound should be selected.
- **Quarry Tiles/Mosaics/Terrazzo/Ceramics:** Level any grout lines with a width and/or depth of more than 5mm.
- **Timber floors:** These should be solid with little flexibility. All loose boards must be firmly fastened and gaps filled. Wood block floors laid direct to earth/bitumen/pitch must be removed prior to installation.
- **Linoleum/Thermoplastic/Vinyl/Cork Floors:** Make sure these floors are solid; fix any loose tiles.
- **Underfloor Heating:** UltraCore can be installed over floors incorporating underfloor heating, but these must be insulated to keep surface temperature below 27°C (81°F). For Electrical systems please refer to the manufacturers guide to ensure their system is compatible with our flooring. Mesh/wire systems must be bedded into a basecoat of reinforced fibre smoothing compound. Then a second coat of primer and reinforced fibre smoothing compound should be applied. The room temperature must be between 18-27°C (64-81°F) prior and during installation.
- **Misc:** Any existing floors installed with bitumen based adhesive must first be suitably covered.
- **Metal and Painted Floors:** Remove any loose paint or other finishes.
- **Textile floor coverings** (including carpet) must be removed.
- **Other Floors:** Consult your supplier.

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## Installation

UltraCore should be laid with an expansion gap of 5mm around the perimeter of the room and all fixed objects, including pipes. This must be increased to 8mm for areas larger than 100m<sup>2</sup>. Consult your supplier for larger areas.\*\*

Skirting boards should be removed and door frames undercut to allow for possible expansion. Alternatively a suitable edge trim should be used to cover the expansion gap. Plank products should be laid with staggered joints, at a distance of at least 250mm.

## Tools

For a successful installation, the following tools will be necessary – pencil, utility knife, ruler/straight edge, carpenter's square, tapping block, saw, hand roller, pull bar, hammer and rubber mallet are recommended.

## Exclusions

Special care must be taken when installing UltraCore in rooms that are exposed to large temperature fluctuations e.g. unheated rooms, conservatories or direct sun / through south facing patio doors. In these cases, a 10 mm (0.4") expansion gap should be used. Adhesives are not recommended in the installation of this product.

- \* Water will not penetrate through the product from one side to the other. This does not include joints between individual tiles/plank.
- \*\* Where the flooring run exceeds 15m in width or length, an 8mm expansion joint should be used and repeated thereafter.

**Installation Directions** To achieve a more natural look to your floor, we recommend that the product is shuffled before installation.

1. First check the width of the room and calculate how many full rows will fit and how best to divide the first and last row for the most symmetrical finish. Install the plank with the tongue side/cut edge facing the wall, fit 5mm spacers between the plank and wall.
2. Lay the first row, ensuring the short edges are clicked together.
3. Using a knife and straight edge, cut the last piece of the row to size making sure that there is a 5mm gap between the end of the row and the wall.
4. Start the second row by clicking the tongue into the groove holding the plank at an angle, then tap the plank firmly into the groove of the first row. Fit the next plank by easing the tongue and groove together on the longside. The end joint will drop into position.
5. Continue to fit planks across the room until the row is complete. Always use a rubber mallet and tapping block to securely fix the planks together. A pull bar can be used to pull the product together around the edges of the room.
6. Repeat section 4 and 5 until the installation is complete.
7. Under door frames: If plank/tile cannot be lifted use a tapping block and mallet to carefully tap the planks together flat on the floor.
8. When fitting convex corners, around corners or complex profiles, scribe the shape on the plank and cut using a saw.
9. Once the floor is fitted, remove the spacers; sweep the floor with a soft brush. Fix the skirting boards or suitable edge trim (available from your local distributor) to cover the expansion gaps. These should be fixed to the wall and not the floor.