



# Decoupling Membrane System

The Amber Decoupling Membrane system provides comfortable warm floors allowing the heat from the electric cable to be distributed evenly across the floor.

The Amber Decoupling Membrane is a polypropylene membrane with rounded square shaped studs that form channels specially designed to embed and fasten the electric heating cables.

For more information, contact

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## Amber Decoupling Membrane

To ensure the correct installation of the Amber Decoupling Membrane, this complete set of instructions should be read in conjunction with the heating cable and waterproofing instructions as appropriate.

The Amber Decoupling Membrane is a polypropylene membrane with rounded square shaped studs which form channels specially designed to embed and hold the heating cable. On the underside of the membrane there is a non-woven thermo-welded polypropylene fabric that ensures the membrane fixing is secure to the membrane.

The Amber Decoupling Membrane is a decoupling membrane of 5.5mm thickness that does not require expansion joints in the screed before laying ceramic and natural stone tiles. It is also a waterproofing membrane when the Amber waterproofing tape and sealant is used with the instructions supplied with the tape.

The membrane must not be used on bituminous coverings, to waterproof surfaces, on highly flammable materials and regulated by building regulations and on lightweight screeds that are not suitable for the laying of flooring.

## Important Installation Notes

For the floor heating system to operate at its most efficient, an insulation board is recommended to be installed below the decoupling membrane.

Prior to installation of the Amber Decoupling Membrane, the floor structure below must be clear of any debris/dust, level, stable, structurally sound and ready to receive and support the relevant floor coverings.

The adhesive used with the membrane must be suitable for both the substrate to which it will be fixed, the membrane and electric underfloor heating, check suitability with the adhesive manufacturer.

There should be at least a 5mm of adhesive/flexible self-levelling covering above the heating cable. If the floor covering is not going to be tiles, the membrane must be covered with 10mm of flexible levelling compound. The suitability of the floor covering with underfloor heating should be checked prior to installation.

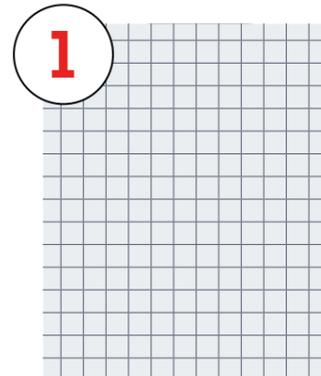
Whilst the membrane is very durable, foot traffic should be minimised, walking boards are recommended to protect against damage and detachment from the floor structure below.

Also compatible with DEVI.



# 6 Simple Steps To Laying The Amber Decoupling Membrane

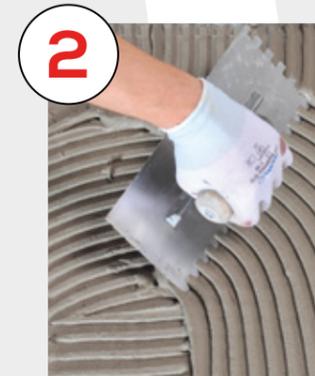
Substrates that are suitable: **Concrete Floors, Timber Floors, Plywood Panels, Cement Screed, Anhydrite Screed & Green Screed**



1

Prior to laying any adhesive, we recommend planning the layout of the membrane, cutting each panel to size to fit the room.

⚠ If Amber or DEVI heating cables are being installed into the membrane, refer to those instructions regarding the installation of the floor sensor at this stage.



2

Using a 6mm notched trowel spread a substrate compatible flexible tile adhesive over the substrate.

⚠ Always check with the manufacturer's guidelines for correct substrate preparation.



3

Apply the membrane, previously cut to the requirements of the room, pressing the membrane down immediately over the adhesive and apply pressure using a roller or trowel.



4

When laying the membrane, you must ensure there is adequate adhesive on the back and that it's fully covered. Peel back an area and if not covered in adhesive, apply as required.



5

Lay the next sheet of membrane taking care to align it with the previous one, without overlapping. Align the square studs to enable the cable to be installed. Repeat previous steps until the room is covered in membrane as required.

⚠ Please refer to the instruction guide supplied with the heating cable for the detailed heating cable and floor sensor installation instructions.



6

With the heating cable installed, you can apply a suitable adhesive (or self-levelling compound) and start laying the flooring. With the flat side of the notched trowel, fill the studs and cover the membrane with a suitable adhesive. Take care to cover the heating cable, the end cable connection and the floor sensor in the floor. Apply the adhesive with a notched trowel, appropriate to the tile size and lay the flooring.

⚠ There should be at least 5mm adhesive/self-levelling covering above the heating cable. If the floor covering is not tiles, the membrane must be covered with 10mm of flexible levelling compound. Ensure the back of the tile is fully covered. You may need to double spread the adhesive to larger format tiles.

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