

→ 3D

Installation Instructions

No. 9440 - R - 05

Edition: Jan 2011

1. Application Sector

DAMTEC® 3D is an rubber underlay in floating screed systems.

With quick and easy installation and it's extremely high resistance to compressive loads and outstanding elasticity, *DAMTEC*® 3D is equally well suited for applications in residential, office and commercial buildings. *DAMTEC*® 3D is available in different profiles.

2. Substrate

Sweep the existing dry concrete surface clean with a broom before installation. In case of larger unevenness or installed piping is if necessary a levelling screed or a levelling filler to be installed. If necessary install thermal insulation. Installation instructions of the manufacturers by levelling layers and thermal insulation are to be considered.

3. Preparation

The *DAMTEC*® 3D material should be rolled out. Place the underlay over the entire surface to be covered. Trim to size slightly larger than the surface covered.

Leave the underlay in place for one day (min. 24 hours) to allow dimensional relaxation and temperature equilibration.

4. Installation

Install an edge strip over all structural components which extend upward or laterally such as walls, pipes etc. before or after installation of floor system components. This is required to avoid formation of sound conduction channels within the structure. The edge strip must be thick enough to ensure proper insulation and must extend upward beyond the subsequent floor surface. (The width should equal that of the floor build up.)

Then trim the underlay to the exact dimensions of the surface covered. Position each underlay section flush to the adjacent underlay section without overlap. Seal joints with high tack adhesive tape, to ensure movement does not occur under the casting of the screed and to avoid screed penetration with resultant sound conduction channels.

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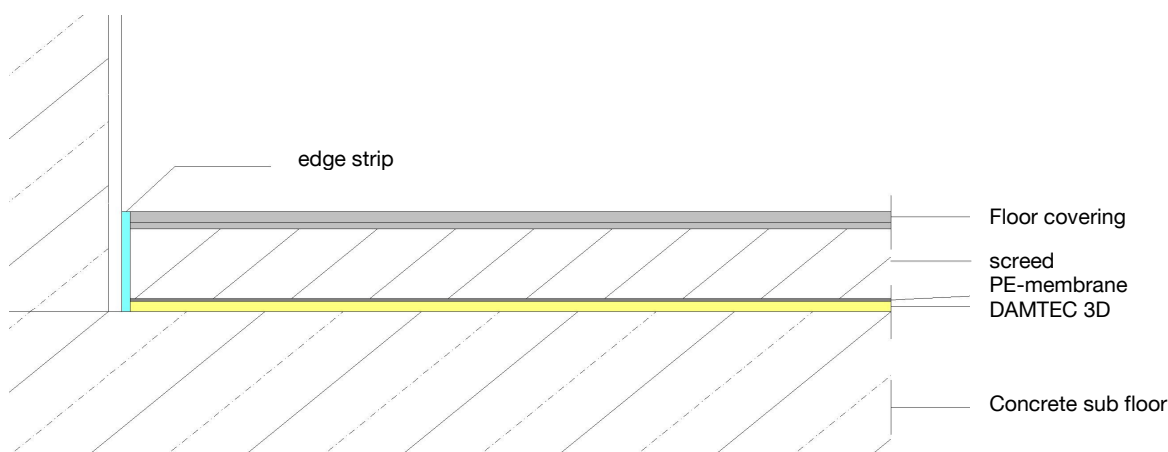
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Cover underlay with PE membrane which should also cover the peripheral insulation strip and extend above the subsequent floor surface. The PE membrane should be fixed appropriately so that movement does not occur when the screed is being cast

To avoid formation of sound conduction channels, be certain that screed cannot enter into the insulating underlay. Install the screed layer in accordance with applicable standards and regulations.



5. Installation as a sample



1. Sweep clean the existing dry concrete surface. Place the underlay **DAMTEC® 3D** over the entire surface to be covered. Trim to size slightly larger than the surface covered. Leave the underlay in place for one day to allow dimensional relaxation and temperature equilibration.



2. Use a regular carpet knife in conjunction with a steel straightedge for cutting **DAMTEC® 3D** to size. Install a peripheral insulation strip over all structural components (e.g. **DAMTEC® 3D**). Seal joints with high tack adhesive tape.

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3. Cover underlay with PE membrane which should also cover the peripheral insulation strip and extend above the subsequent floor surface.



4. To avoid formation of sound conduction channels, be certain that screed cannot enter into the insulating underlay.



5. Install the screed or light weight cement. After finished installation start with floor finish. You can use other **DAMTEC®** products again for sound insulation.

DISCLAIMER:

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