

## 1. Application Sector

**DAMTEC® vibra 3D** is a mat of rubber granulates for the optimal vibration absorption and insulation of structure-borne sound. It guarantees versatile, specific solutions for all tasks in the civil engineering and construction industries requiring effective insulation. **DAMTEC® vibra 3D** is available in different profiles. The ideal area of application is for a material pressing under 0,05N/mm<sup>2</sup>.

## 2. Substrate

Sweep the existing dry concrete surface clean with a broom before installation. Very minor undulations in the concrete surface should not be detrimental to the properties of the material.

## 3. Installation

Before installation of system components, install an edge strip over all structural components which extend upward or laterally such as walls, pipes etc. 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.)

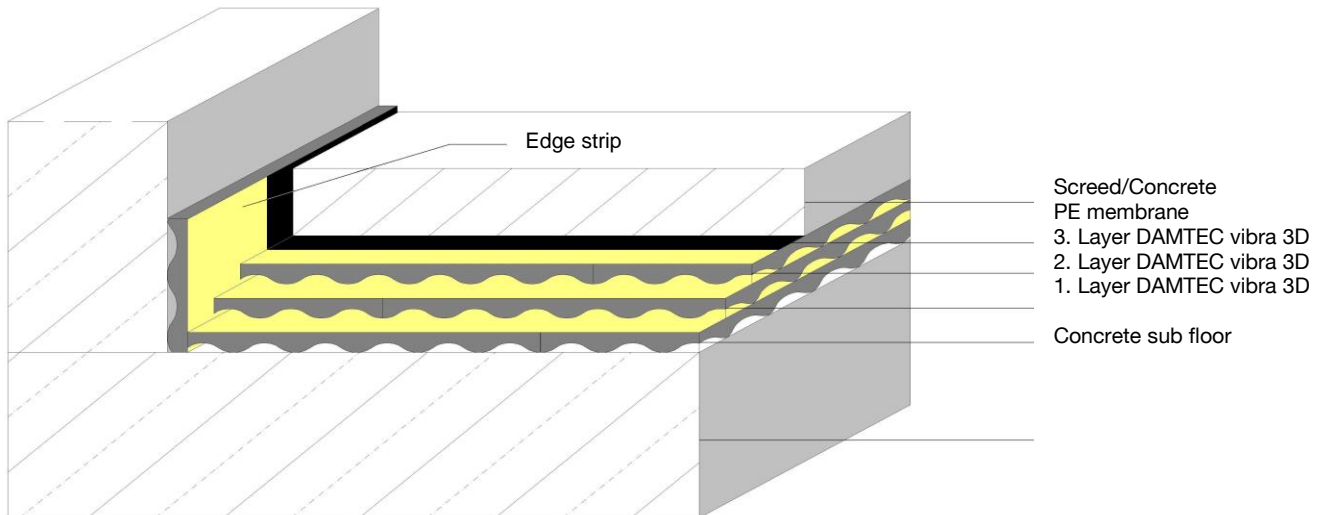
The **DAMTEC® vibra 3D** material should then be rolled out. Place the underlay over the entire surface to be covered. We recommend that the material is cut slightly larger than the surface to be covered. Leave the underlay in place for one day (min. 24 hours) to allow dimensional relaxation and temperature equilibration.

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.

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.



1. Install edge strip
2. 1<sup>st</sup> layer, dimpled side down
3. Cut to size with stanley knife
4. Put joints together tightly
5. 2<sup>nd</sup> layer, dimpled side down (if specified)
6. 3<sup>rd</sup> layer, dimpled side down (if specified)
7. Cover whole area with 0.2 mm PE membrane and tape at PE membrane joins.

**DISCLAIMER:**

The information provided is intended only as a summary and general overview on matters of interest. The information is not intended to be comprehensive nor does it constitute expert advice. KRAIBURG RELASTEC shall not be liable for incidental and/or consequential damages directly or indirectly sustained, nor any loss caused by not complying with relevant industry/product standards and improper use of any Damtec® products. Due to varying construction methods, any other circumstances not stated above should be brought to the attention of KRAIBURG RELASTEC for review. For suitability to the prevailing site conditions, it is advised that certified testing should be conducted. It is recommended to seek further advice on your application with our technical staff prior to use.

The installation instruction is not subject to any change service! All information is without guarantee.  
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Page 2 of 2