

THERMO POWDER DB 80



- > quick drying
- > high stiffness
- > noise absorbing

Product description

Powdery binding agent tested according to EN 197-1 for bound, load-bearing, heat and noise insulating levelling filler with polystyrene granulate, for example.

On bare ceilings, on timber ceilings, between wooden tram sites, for insulating flat roofs with a gradient and as backfill material for vaulted ceilings.

Delivery format:

Container	Outer packaging	Pallet
20 KG / PS		48

Storage:

Can be stored frost-free, cool and dry on wooden shelves in unopened original container: 365 days

Processing

Recommended tools:

Power mixer or suitable plaster or screed machines, balance slat, aluminium shovel.

Mixing:

The levelling filler is mixed with, e.g. polystyrene granulate and water into a homogeneous mass. To reinforce a cubic metre of polystyrene granulate, 80 - 100 kg of binding agent is required. When mixing with water, note that too little water will cause the levelling filler to dry out, while too much water washes away the binding agent.

Processing:

After mixing the filler is applied to the planned area, compressed approx. 10% with a blade by lightly pressing, and stropped to the desired height with a balance slat. The binding agent is easy and efficient to process. The levelling filler starts to set in less than one hour. The following work must take place under the lowest possible load of the thermal insulation and noise reduction filling.

Technical data

Processing temperature	above +5 °C
Processing time	approx. 45 min. at 20°C

Test certificates

Tested in accordance with (standard, classification ...)
EN 197-1

Substrate

Suitable substrates:

The substrate meets the requirements of the OVBB Guideline – Conservation and Rehabilitation of Concrete and Reinforced Concrete Structures. Furthermore, the substrate must be load-bearing and free of similar and dissimilar substances as well as substances that have a separating effect, corrosive media, such as chlorides, and must be pre-wetted for at least 12 hours before restoration until capillary saturation. Adhesive tensile strength at least 1.5 N/mm². Compressive strength at least 25 N/mm².

Product and processing instructions

Material information:

- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.

Environmental information:

- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

Tips:

- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Please refer to safety data sheet for product-specific information with regard to composition, handling, cleaning, corresponding actions and disposal.

Limiting and monitoring exposure

Personal protective equipment:

General protection and hygiene measures:

- Common safety measures for handling chemicals are to be observed.
- Keep away from foodstuffs, beverages and feedstuffs.

10300, THERMO POWDER DB 80, valid from: 29.01.2021, Magdalena Riegler, Page 2

Concrete and Screed Technology

- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Avoid contact with the eyes and skin.

Breathing protection:

- Wear breathing protection in case of inadequate ventilation.
- Filter P2.

Hand protection:

- Protective gloves.
- The glove material must be impermeable and resistant to the product/substance/preparation.

Glove material

- Use gloves made from stable materials (e.g. nitrile).

- The selection of a suitable glove depends not only on the material, but also on other quality properties, which may vary from manufacturer to manufacturer.

Penetration time of the glove material

- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

Eye protection: tightly sealed protective goggles.

Body protection: protective clothing.

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Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt. This version is rendered invalid if a new version is released.

The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.