Technical Data Sheet

EM 4095

alpha smoothing compound

Product description
EM 4095 is a factory-made, calcium-sulphate based, polymer-modified smoothing compound for layer thicknesses of 1-10 mm. CA-C25-F7

Product properties
- Excellent flow properties
- EMICODE EC1 rated: very low emissions
- With a layer thickness of 2 mm or more (smoothing compound) under coverings, it is also suitable for casters
- Suitable for machine mixing and pumping
- Can be applied over floor heating screeds
- Bonds particularly well to calcium-sulphate and mastic asphalt screeds
- Low shrinkage

Uses
EM 4095 can be installed in conjunction with a wide variety of substrates. It can be applied by hand or by machine and creates a load-bearing substrate for all standard floor coverings. While it can also be used in domestic bathrooms and basements with appropriate sealing, it is not suitable for wet areas.

Substrates
Cement screed, concrete, calcium sulphate screed, mastic asphalt screed, magnesia screed, dry screed, xylolite screed

Substrate preparation
- Substrates must be load-bearing, dry, stable, and free from dust and dirt.
- Remove all substances that would impair adhesion by sanding, milling or shot blasting
- The substrate should have a surface tensile strength of at least 1.0 N/mm2.
- In the event of capillary rise of moisture or vapour pressure, take alternative sealing measures.
- Prime substrate according to system recommendation with EM 4716 adhesive primer or EM 4712 epoxy-resin primer EC1 sprinkled with sand. See also technical data sheets.
- Level large uneven patches (>10 mm) e.g. with EM 4095 to create a stable surface.

Application

Mixing:
- For machine application, use a mixing pump approved by Ezy Mix. Check flowability regularly with Flow Ring Test.
- For manual mixing, stir for 1-2 minutes with a suitable paddle mixer.
- Add 6.0 to 6.25 litres of water for every 25 kg bag.
- Higher moisture levels reduce the strength and increase the risk of crack formation and shrinkage.

Mixing tools:
- Electric drill with paddle for smoothing compounds
- m-tec Duomix 2000
- m-tec EMP

-> To clean tools, rinse with water

Application:
- When pumping the material, the maximum bay width should not exceed 10-12 metres.
- For larger bay sizes, install EM 4965 expansion joints.
- Smooth surface with notched trowel, serrated squeegee or smoothing trowel and re-work with spiked roller if necessary.

Coverage rates
Approx. 1.6 kg/m² per mm layer thickness

Subsequent treatment/Coating
- Protect freshly prepared surfaces from draughts, direct sunlight and heat.
- Good ventilation is essential once foot traffic is allowed. Prevent draughts.
- The site temperature must be at least 10 °C, better 15 °C, during application and for one week afterwards.

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Technical Data Sheet

EZY MIX
Quality Construction Mortar

General information

- Determine the required levelling thickness before commencing work.
- Higher temperatures reduce the working time, lower temperatures prolong it.
- When used on floating floors (with and without UFH), fix at least 8 mm expansion strip to the perimeter walls and any upstand to prevent any contact to the substrate.
- EM 4095 always requires the installation of a floor covering.
- Contact us for technical support if you have any questions regarding the application, substrate or special design features.
- Do not mix with other materials.

Special notes

For interior use only.

Storage

Shelf life is up to 9 months when stored in a dry place, protected from moisture (bagged material).

Logistics

- Available in 25 kg/bag, 42 bags/pallet
- Available as bulk silos

Legal notices

The information provided in this document is based on our technical knowledge and experience at the present time. It must be regarded as a general guideline only. Owing to the large number of potential influences, it does not relieve anyone using or processing our products from the responsibility of carrying out their own tests and experiments, nor does it imply any legally binding assurance of certain properties or that our products are fit for a specific purpose. Responsibility for complying with any property rights, applicable laws or other requirements lies solely with the user. This datasheet invalidates all previous datasheets.

Fire resistance	Class A1 – EN 13813
Set to foot traffic	After approx. 2-4 h
Ready for floor covering	After 24 hours for large levelling areas up to 5 mm layer thickness. With thick levelling layers, after the screed has set at max. 0.5CM% for floor constructions with or without UFH
Flexural strength after 28 days	> 7 N/mm²
Compressive strength after 28 days	≥ 25 N/mm²
Recommended coat thickness	1-10 mm
Flowability	240-260 mm (ring: 68 diam./35 mm height)
Set to foot traffic	Light traffic: after approx. 24 hours.
Application temperature (ambient)	10 °C to ≤ 30 °C
Application temperature (substrate)	10 °C to 25 °C
Working time	25-30 minutes at 20 °C and 65%relative humidity
Water ratio	24%-25% max. 6.25 l /25 kg bag

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