

# EM 202

## Floor Levelling Compound

### Product description

EM 202 is a polymer modified self-levelling thin bed floor screed based on a cement binder.  
EM 202 is supplied as a pre-blended dry mortar supplied in 20kg bags.

Meets all requirements of EN 13813 and DIN 18560 for Material class A1.

### Field of application

EM 202 is designed for use as a thin bed levelling screed for the encapsulation of under floor heating systems. Suitable for residential and commercial applications, EM 202 must be covered with suitable floor coverings. EM 202 can be installed as a bonded screed to the existing substrate or as a floating screed over insulation and/or separating layers from the existing floor.

### Properties

- Pumpable
- Highly flowable
- Good general durability under floor coverings
- Low shrinkage
- Economical solution for large areas
- Heat able after 6hrs
- Early walkable
- Indoor Use only
- 1mm – 20mm one application

### Substrate Preparation

- The substrate must be solid, load bearing, dry and free from dust and contamination.
- Substrate priming must be in accordance with the EM 4176 priming application sheet.
- When rising capillary moisture or vapor from the substrate exists apply the EM 47140N epoxy primer in accordance with the application sheet.
- For unevenness larger than 20mm use EM 203 screed.

### Processing / Installation

Mix EM 202 with either a Duo200 Mixing pump or an electric drill with the correct agitator for filling compounds.

- For manual processing mix for 1-2 minutes with a suitable agitator.
- **The material is mixed with approx 4 -4.4 litres of clean water per 20kg bag.**
- Too high a water content reduces strength, increases the risk of cracking and shrinkage.
- If the material is being pumped, the maximum width of the working surface should not be more than 10-12 meters.

### Technical data

Coverage rates / thickness 1.7 kg/ m<sup>2</sup> and mm layer

#### **Drying Time**

Light traffic after approx. 2-6 hours  
Heavy traffic after approx. 12 hours

Min. nominal thickness 3 mm  
Max. nominal thickness 25mm

Indoor application Yes  
Outdoor application No

Residual moisture s 0.5 CM% for unheated  
Content before covering and s 0.3 CM% in heated constructions.

Recommended water content **approx. 4 - 4.4 liters per 20kg bag**

Elasticity modulus approx. 18000 N/ mm<sup>2</sup>

Compressive strength after 25/mm<sup>2</sup> EN 13892-2  
28 days

Flexural strength after 5/mm<sup>2</sup> EN 13892-2  
28 days

Fire rating AI EN 13813

Application temperature Ambient air: +10°C  
to +25°C

Working time up to 30 minutes @ 20°C  
Substrate: +8°C to +30°C

Flow rate Good flow behavior  
24 - 26cm without  
water separation.

### Tool cleaning

Clean all tools with water periodically during installation of EM 205.

### Storage

Store bags on pallets in a dry place for a maximum of 6 months.

### Packaging

Available in 20kg bags  
56 bags per pallet  
1,120 kg / pallet

### **Subsequent treatment**

Freshly installed surfaces must be protected against drafts, direct sun, and heat.

Do not use dehumidifiers for the first 2 days after completed floor.

Sanding any work if required must be carried out within the first 24 hours.

### **Environmental notices**

GISCODE: CPI

Product hardens when water is added and can then be disposed of as normal construction debris.

### **Legal information**

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