

EM 205

Self Levelling Compound

Product description

EM 205 is a polymer modified self-levelling thin bed floor screed based on a cement binder.

EM 205 is supplied as a pre-blended dry mortar supplied in 20kg bags.

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

Field of application

EM 205 is designed for use as a thin bed levelling screed for the encapsulation of under floor heating systems.

EM 205 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
- Heatable after 6 hours
- Early Walkable

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.

Mixing and pumping procedure

Mix EM 205 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 liters 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.

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.

Technical data

Coverage rates / thickness	1.7 kg/ m ² 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	Yes
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 ²
Compressive strength after 28 days	25/mm ² EN 13892-2
Flexural strength after 28 days	5/mm ² EN 13892-2
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

Environmental notices

GISCODE: CPI

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