

KNAUF VERMIPLASTER

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Knauf FP Vermiplaster has been developed specially for fire protection of buildings in interiors. Its task is to protect the load bearing coated construction elements in the event of a fire so that their function is maintained until the fire has been extinguished or building evacuated.

Knauf FP Vermiplaster consists of gypsum as a binder in combination with a special mix of lightweight aggregates and additives to ensure good machine application.

Knauf FP Vermiplaster has been granted the European Technical Approval ETA-11/0229.

Application

- Reinforced-concrete ceiling / wall thickness must be ≥ 60 mm.
- Reinforced-concrete beam width must be ≥ 80 mm.
- Application of Knauf Vermiplaster® in accordance with Knauf technical guides (System brochure P91.lv Knauf Fire resistant plaster).
- Concrete density from 2000 kg/m³ to 2600 kg/m³.
- If the thickness of the protective plaster layer is ≥ 36 mm, the plaster must be additionally reinforced with steel mesh, hole size not exceeding 15 x 15 mm.

Treatment temperature/conditions

Do not apply plaster and primer in rooms with ambient temperature below 5°C. Freshly applied plaster must be protected from direct sunlight, frost, rain and wind until it is completely dry.

Drying

Good ventilation is essential in order to ensure quick drying. If mastic asphalt floor is formed at the construction site after applying Vermiplaster®, suitable ventilation is required to avoid the deformation of the drying plaster due to temperature.

Drying time: depending on temperature, humidity level and ventilation it takes about 14 days for a 10 mm layer of plaster to dry. Drying time may be longer in adverse weather conditions (humidity).

Field of application

- Steel columns and beams acc. to DIN EN 1993-1-2
- Concrete beams and supports acc. to DIN EN 1992-1-2
- Concrete ceilings and walls acc. to DIN EN 1992-1-2
- Trapezoid sheet metal with concrete acc. to DIN EN 1994-1-2

Treatment

Base

The base must be clean, dry, free of dust and grease. The remaining old, peeling paint must be removed. In places where the paint may not be removed, make sure it does not interfere with the application of plaster. Prime the concrete surface with a suitable primer (Knauf Betokontakt).

Check the binding ability of the load-bearing element before each application of Knauf VERMI- PLASTER®.

Vermiplaster thickness

- Minimal thickness 6 mm
- Maximal thickness when applying single layer: 22 mm
- Maximal thickness when applying two layers: 40 mm
- Maximal thickness when applying three layers: 60 mm
- Maximal thickness when applying four layers: 80 mm

Properties

- Easy machine application
- Notably higher yield than comparable products
- Gypsum based
- For interior use
- Colour white

Safety

Knauf Vermiplaster® carbon fibre laminate (CFRP) tape's fire protection classification report PAVUS, a. s. No. PKO 16 065.

Plaster quality is monitored by the notified body and the factory production control. Production is certified in accordance with standard EN ISO 9001 and EN ISO 14001.