

PLAKA - REAPOR GLUE CM18
Flexible adhesive mortar for laying Reapor boards

REF 12.12.02 - Version V01 - 25/08/2020



Description



REAPOR GLUE CM18 is used specifically for placing and laying REAPOR panels, but can also be used for laying ceramic tile coverings and insulating boards. REAPOR GLUE CM18 is easy to use and can be used in indoor as well as outdoor, on almost all surfaces.

Application fields

REAPOR GLUE CM18 is used on critical and non-critical substrates :

- Heated screeds,
- Balconies,
- Patios
- Facades
- Precast concrete members

The glue can be used for repairing and leveling unevennesses of up to approx. 8mm depth prior to tile laying.

Technical data

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Base	Plastic-modified cement combination with light fillers and selected sands. (chromate-reduced) Thin-bed mortar DIN/EN 12 004, C2TE.
Packaging	Bags of 4 or 18 kg
Color	Grey
Bulk weight	Approx. 0,90 kg/dm ³
Mixing ratio	Approx. 8,5 l (stiff) to 9,5 l water (floors) pro 18kg powder
Maturing time	Approx. 5 minutes
Open time	Approx. 30 minutes
Application temperature	+5° to +30°C
Application time	Approx. 2 hours
Correction time	Depend on substrate and covering material approx. 15min..
Creep	≤ 0,10 mm
Croutable after	Approx. 12 hours
Adhesive tension strength wit hall storage types	≥ 1,0 N/mm ²
Temperature resistance	-30°C to +70°C

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Notch depth acc.to DIN 18157 in mm	REAPOR GLUE in kg/m ²
4	1,1
6	1,3
8	1,8
10	2,1
Medium bed	3,5

Installation descriptions

Substrate preparation

REAPOR GLUE CM 18 adheres to all solid, load-bearing, clean, dry and moist surfaces free of substances which can cause separation. Coatings of inadequate bearing strength must be removed.

Indoors :

Use CT 17/CN 94 to prime calcium-sulfate-bound screeds (gypsum/anhydrite mechanically roughened, freed from dust, residual moisture ≤ 0.5 wt-%, heated screed ≤ 0.3 wt-%), light-weight concrete, plasterboards and gypsum plasters (PIVa/b and PV, residual moisture ≤ 1 wt-%), sandwich-type and fibrous plasterboards, wood chipboards (min. V 100, thickness ≥ 22 mm), blockboards as well as all highly absorbent surfaces. Allow the priming coat to dry for approx.4 hours. Extruded polystyrene tiles, tile support elements, tile coverings, natural/artificial stone floors, firmly adhering coatings, mastic asphalt (GE10/GE15, roughened with sand, no industrial use) do not need to be primed. Paintwork (not chalking and with good adhesion) must be thoroughly roughened and freed from dust.

Outdoors and indoors :

Tiles can be laid direct onto plasters of mortar groups P II/P III (at least 28 days old), cement screeds (at least 28 days old, residual moisture ≤ 2 wt-%), heated screeds (≤ 1.8 wt-%) and concrete (at least 3 months old).

Application

Stir CM 18 into clean, clear water until it is completely free of lumps. Leave to mature for approx. 5 minutes, then mix the mortar again. If necessary, carefully add water until the desired consistency is achieved. Apply the thin-bed mortar according to the recognized rules of the thin-bed method. Allow for a skin formation time of approx. 30 minutes. Use a notched spreader with suitable toothing so that the raised mortar is at least 65 %. Fresh excess mortar can be removed with water, once hardened material can only be removed mechanically. Ready for grouting after approx. 12 hours.

Please note

CM 18 contains cement and reacts with water, producing an alkaline solution. Therefore protect eyes and skin and rinse thoroughly with water if contact occurs. In case of contact with the eyes seek medical advice immediately. Please refer in particular to DIN 18 332, DIN 18 157, DIN 18 515 and the information sheets issued

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by the Central Association of the German Building Trade (ZDB). Use other products for laying tiles in chemically stressed areas and on substrates other than those mentioned here

Note

Apart from the information given in this technical data sheet, it is also important to observe the relevant guidelines and regulations of various organizations and trade associations as well as the applicable DIN standards. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative humidity unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

Shelf life

Approx. 12 months if stored in a tightly sealed container, in cool and dry conditions. Use product in opened containers as soon as possible.