

Fast setting patching mortar

Description

RAPICRET is a pre-mixed, cement-based, fast setting repairing mortar, offering:

- Very good adhesion to the substrate.
- Superior workability.
- Reduced water permeability.

It is classified as a PCC R3 type mortar, for concrete repairs, according to EN 1504-3. Certificate Nr. 2032-CPD-10.11.

Fields of application

RAPICRET is suitable for quick repair of concrete elements, fixing, anchoring, patching of cavities or holes, groove formation etc. and generally wherever high strength and fast application is necessary. RAPICRET may be applied on floors, walls or ceilings.

Technical data

Form:	cementitious powder
Color:	grey
Water demand:	4,60 l/25 kg bag
Bulk density of dry mortar:	1,50 ± 0,10 kg/l
Bulk density of fresh mortar:	1,95 ± 0,10 kg/l
Compressive strength:	
• After 24 hours:	> 8,00 N/mm ²
• After 7 days:	> 15,00 N/mm ²
• After 28 days:	> 28,00 N/mm ²
Flexural strength:	> 5,00 N/mm ²
Elastic modulus:	15,3 GPa
Carbonation resistance:	Passes
Chloride ion content:	0,00%
Adhesion strength:	≥ 1,60 N/mm ²

Thermal compatibility
Part 1 (50 freeze-thaw cycles)

≥ 1,50 N/mm²

Capillary absorption

0,48·kg·m⁻²·h^{-0,5}

Reaction to fire

Euroclass A1

Pot life:

15 ± 2 min at +20°C

Directions for use

1. Substrate

The substrate must be clean, free of dust, oil, loose materials etc. and should be thoroughly dampened, before the application of RAPICRET.

2. Application

RAPICRET is gradually added into the water (the mixing ratio RAPICRET:water is 3,6:1 by volume) under continuous stirring, until a tight, no-slump putty is formed suitable for patching or fixing works. Mixing time should not exceed 1min. It is recommended to mix a small quantity every time, because of the short working time (about 15 min. at +20°C). RAPICRET is applied in layers not more than 3 cm thick.

Consumption

Approx. 17,5 kg/m²/cm of layer thickness.

Packaging

RAPICRET is supplied in bags of 5 kg and 25 kg.

Shelf-life - Storage

- Paper bags of 25 kg:
12 months from production date
- Plastic bags of 5 kg:
18 months from production date

RAPICRET



All of the above are in effect if the product is stored in original unopened packaging, in places protected from moisture and frost.

Remarks

- Application temperature should be between +5°C and +30°C.
- Material that has started to harden should not be resoftened with water.
- In high temperature conditions, mixing with cold water is recommended, to avoid rapid setting.
- In low temperature conditions, mixing with warm water is recommended, to accelerate setting.
- RAPICRET contains cement and reacts as alkaline with water, so it is classified as irritant.
- Consult the usage risks and safety advice written on the bag.



2032

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10

2032-CPD-10.11

EN 1504-3

Concrete repair product for structural repair PCC mortar (based on hydraulic cement, polymer modified)

Compressive strength: class R3

Chloride ion content: $\leq 0,05\%$

Adhesive Bond: $\geq 1,5$ MPa

Carbonation resistance: Passes

Elastic modulus: 15,3 GPa

Thermal compatibility part 1: $\geq 1,5$ MPa

Capillary absorption: $\leq 0,5 \text{ kg}\cdot\text{m}^{-2}\cdot\text{h}^{-0,5}$

Dangerous substances: comply with 5.4

Reaction to fire: Euroclass A1

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BUILDING CHEMICALS AND MORTARS

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