

Fiber-reinforced repairing mortar of R2 type for non-structural repairing and smoothing of cementitious surfaces

DOMOREPAIR R2 is a fiber-reinforced, thixotropic, non-shrinking, ready to use repairing mortar, for up to 20 mm maximum thickness per layer. It is used for non-structural repairing of visible concrete and walls. A product suitable for horizontal and vertical surfaces.

Field of application

DOMOREPAIR R2 is suitable for application at non-structural repairing and also smoothing of walls and weathered concrete e.g. beams, pillars, balconies.

Fill a pail with water and add DOMOREPAIR R2. Then, mix well until the blend is homogeneous, without lumps. Optimal mixing is achieved with a low power agitator. Mixing by hand is not advised.

Advantages

- Ready to use. Just add water.
- Excellent adhesion on the substrate, due to its composition.
- Minimizes danger of cracking, because is non shrinking.
- Quick setting & easy to use.
- Thixotropic.
- High initial strength.
- Waterproof, freeze & weather resistant after hardening.
- Does not contain chlorides or other corrosive salts.

Application:

Apply the mix by spatula or trowel, depending on the situation.

Do not mix more product that you intend to use.

Additional information:

- When preparing elements of large thickness (more than 1-2 cm) apply in layers. Every time a new layer can be applied without the prior been dried completely.
- To avoid too fast setting of the already applied mix and to prevent crack forming, protect the treated surface with a wet cloth or wet it with water.
- Setting time is increased when the temperature is low or when more water is added than necessary.
- Do not add cement, sand or gravel to DOMOREPAIR R2.
- Do not add water if the mortar has begun to set.
- Do not apply at temperatures below 5°C and above 35°C or during rain. When the application temperature is at 5-8°C, then the mixing and saturation water of the substrate is recommended to be warm to hot. At 30-35°C, water is recommended to cold.
- The product contains cement and is classified as irritant.

Method of use

Substrate condition:

The application surface (concrete, mortar, stone, and brick) must be sound and stable. Loose parts, rust, grease, dust and cement skin must be removed prior to application. Smooth concrete surfaces should be roughened.

Before the DOMOREPAIR R2 application wet well the substrate with water but without creating standing water.

Mixing

Mixing ratio:

DOMOREPAIR R2:WATER 6:1 w/w

(about 4.2 L water for 25 kg or 1.7 L water for 10 kg)

Consumption

17-18 kg/m² for a layer of 1 cm thickness.

Storage

It can be retained at least 12 months from its production day, in unopened package protected from the moisture.

Certificates

The product is certified according to EN 1504-3 (Structural and non-structural repairs) as R2 repairing mortar.

Packaging

Bags of 25 kg.

Specifications

Form	Powder
Color	Grey
Bulk density	1.40 ± 0.04 g/cm ³ (23°C)
Mixing ratio	Domorepair R2 : Water 6 : 1 w/w
Specific weight of mix	2.0-2.1 ± 0.06 kg/L (23°C)
pH of mix	12
Application temperature	+5°C to +35°C
Pot life	60 min (20°C)
Compressive strength (EN 12190)	>24 MPa
Chloride ion content (EN1015-17)	<0,05%
Adhesive bond (EN 1542)	>0,8 MPa
Thermal compatibility Part 1, Freeze-thaw (EN 13687-1)	>0,8 MPa
Capillary Absorption (EN 13057)	<0.5 kg/m ² h ^{0.5}

All the technical data stated in the present Technical Data Sheet are based on laboratory tests and the knowledge and experience of the company. Different conditions may apply at field applications that are beyond the control of the company. Therefore, the end user is ultimately responsible to make sure that the product is suitable for the application in question and to know the real conditions of the project.