



RAGRE BETON 300

Anti-carbonation cement
mortar for skim coating
concrete surfaces



konstruktive · **leidenschaft**



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PRODUCT DESCRIPTION

RAGRE BETON 300 is a fibre-reinforced cement based mortar for skim coating and levelling concrete surfaces and prestressed concrete objects. This product is specific for protecting reinforced concrete structures that are exposed to the aggression of chemical and environmental agents from carbonation leaving a final smooth finish.

It allows to level with one or more coats of 2 to 8 mm any irregularities on both indoor and outdoor substrates.

Due to its remarkable bonding capacity and mechanical strength, it can be covered with all types of decorative and protective claddings including heavy materials such as glass mosaics and ceramic tiles or protective epoxy and polyurethane coatings. It is also suitable as a protective skim coating for restoring degraded concrete.

COMPOSITION

RAGRE BETON 300 is a premixed product based on special hydraulic binders, siliceous and calcareous aggregates, fibres and specific additives that improve the quality of the product in terms of bonding and workability.

MIXING AND APPLICATION

Mix a 25 kg bag of **RAGRE BETON 300** with approx. 6.5-7.0 litres of clean water using an electric mixer until homogeneous and lump-free. Leave to rest for about 5' minutes before applying. The prepared product is usable for about 1 hour. Do not add water or mix to use again after this period.

Before the skimming coat is applied, the substrates must be prepared via milling or hydro demolition to remove any degraded parts.

Remove any oxidation from steelwork by manual or mechanical cleaning and protect by applying the passivating mortar **VIMAPASS**. Eliminate all traces of dust, oil, grease and other substances. Wet the substrates and apply the skim coating using a large trowel in horizontal and vertical strokes to the entire surface until level.

Apply the final coating with a minimum and constant thickness and finish with a sponge trowel to get a smooth finish. Apply decorative paint or wallpaper once the product has weathered.

INDICATIVE AMOUNTS REQUIRED

1.5 kg per m² per mm of thickness.

COLOUR

Grey.

PACKAGING

25 kg bags on disposable 1575 kg pallet (63 bags) protected by waterproof plastic wrap.

STORAGE

12 months in original intact packaging and stored in a dry place.

RECOMMENDATIONS

Do not apply at temperatures below + 5°C, in strong wind, rain or in direct sunlight. In summer, the temperature must not exceed + 35°C when the product is applied.

Do not apply to frozen, dusty, unstable or crumbling substrates.

Apply in layers from 2 to 8 mm thick.





Do not apply to gypsum-based substrates.
Wet the substrates with clean water before applying the product.
Protect skimming coats from frost and wait until they have completely dried before applying any final decorations.
Remove any residues, paint, or water-resistant products before applying product.

PRODUCT DATA

Appearance	powder	
Colour	grey	
Dry bulk density	~ 1300 kg/m ³	EN 1015-10
Maximum aggregate size	≤ 1.0 mm	

APPLICATION DATA

Water content of mix	26-28%	
Mixing ratio	1 bag + 6.5-7.0 l of water	
Minimum application temperature	+ 5°C	
Maximum application temperature	+ 35°C	
Working time	≥ 60' minutes	
Minimum application thickness	2 mm	
Maximum application thickness	8 mm	

PERFORMANCE DATA

Bulk density of mortar	~ 1750 kg/m ³	EN 1015-6
Bulk density of hardener mortar	~ 1200 kg/m ³	EN 1015-10
Flexural strength	≥ 5.0 N/mm ²	EN 12190
Compressive strength	≥ 25.0 N/mm ²	EN 12190
Coefficient of thermal expansion	≤ 30 x 10 ⁻⁶ K ⁻¹	EN 1770
Water vapour permeability	Classe II	EN 7783
Capillary absorption and permeability to water	< 0.1 kg/m ² h ^{0.5}	EN 1062-3
Adhesion strength by pull off test	1.96 N/mm ²	EN 1542
Reaction to fire	A1 Class	EN 13501-1
Hazardous substances	See MSDS	EN 1504-2

ACCORDING TO

CE EN 1504-2
Coating for concrete surface protection
- moisture control (2.2)
- increased resistivity (8.2)

REMARKS

Product for professional use. The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site www.vimark.com.

