



TECHNICAL DATA SHEET
ID Product Code 200
Rev. 01/2020

GROUT RAPIDO

FAST SETTING HYDRAULIC BINDER

Controlled shrinkage mortar for concrete repair

GROUT RAPIDO is a fast setting hydraulic binder. The product has very good mechanical strength together with a fast setting. It is suitable for vertical and horizontal application. The product can be used for non-structural restoration and smoothing of concrete surfaces, horizontal and vertical, indoor and outdoor. Recovery in the case of structures exposed to air and permanent contact with water. Restoring damaged concrete as edges of beams, cornices, balconies, pillars and curtain walls. Work underpinning. Industrial floor repair. It is a good waterproof plaster. Repair of precast structures.

Mixing and application

PREPARATION

Removing parts of deteriorated concrete until the substrate is solid and rough. Remove any previous repair work that is not firmly bonded to the substrate. Clean concrete and reinforcing rods of dust, rust, cement residue, grease, oil, varnish or paint using blasting or sandblasting. Treat the iron with special product and let it dry thoroughly. Wetting adequately the substrate so that it is devoid of free water but well saturated with water.

MIXING

Pour 4 liters of clean water in a clean container. Add slowly while mixing a 25 kg bag of GROUT RAPIDO. Carefully remove the dust scattered around the walls of the container. Stir for a few minutes adding the rest of the water required 0.5 liters. It is recommended to never exceed the amount of water indicated. Stir for a few minutes until dough is smooth and free of lumps. It is recommended the use of an immersion mixer or helix mounted on a drill at low speed to avoid incorporating too much air in the mixture.

APPLICATION

GROUT RAPIDO is applied with a trowel or spatula. Making your float with a sponge float as soon as the mortar begins to harden. The waiting times and curing times vary in function of the climatic conditions.

Do not use bags already open. In hot fix GROUT RAPIDO exposure to direct sunlight and use cold water for the dough. In the cold season, store GROUT RAPIDO to + 20 ° C and use warm water to the dough. In hot weather, high temperatures can cause a reduction in the time of withdrawal, which may lead to minor surface cracks due to plastic shrinkage. It is advisable in this case to spray water on the treated surface with GROUT RAPIDO for at least 24 h.



Recommendations

Avoid applying with temperatures below + 5°C or above + 35°C. Avoid applying to surfaces that are dusty, unstable or inconsistent. Do not apply to surfaces that are frozen, thawing or if freezing temperatures are expected within 24 hours. Do not apply adhesive thickness greater than 10 mm. Apply tiles on fresh adhesive using a serrated trowel appropriate to the size of the floor. Apply a double layer of adhesive for external use. Do not use on surfaces that are too large to avoid exceeding the open duration time.

Chemical characteristics

Appearance	Powder
Colour	Grey
Odor	Odorless
Apparent volumetric mass (kg/m ³)	1.200
Solid residual %	100
Application data of the product	
Color of the mixing	Grey
Water necessary for the mixing	18 liters per 100 kg of Grout Rapido; 4,5 lt per bag of 25 kg
Consistency of the mix	spreadable
Volumetric mass of the mix (kg/m ³)	1.800
Application temperature	+5°C up to +40°C
pH of the mix	>12
Workability of the mix	30 minutes
Setting time	45 minutes
Final performances	
Compressive strength	>15 MPa
Chlorides present	<0,05%
Binding of adhesion	>0,8 MPa
Thermal frost thaw compatibility	>0,8 MPa
Water absorption by capillarities	0,10 [kg/(m ² xmin ^{0,5})]
Release of dangerous substances	See MSDS
Shelf life	24 months months if stored tightly closed in a cool and dry place.
* indicative values, depending on the nature of the material and environmental conditions	



Coverage

Vitreous mosaic and small size: 2.0 kg per m² .
Normal size: 2.5-3.5 kg per m² .
Large size: 4.0-5.0 kg per m²



Storage

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



Packing

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

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.primaxbuild.it

Trademark and Origin of the good

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