

NOVAGROUT F

Ceramic tile and natural stone grouts for joint width of 0 - 10mm

- ▷ To be mixed only with water
- ▷ Suitable for walls and floors
- ▷ Excellent workability
- ▷ No need for enhancing with additive emulsion
- ▷ Includes antimould additives
- ▷ Available in 23 colors
- ▷ Classified as CG2 according to EN 13888
- ▷ Fast curing



Description

NOVAGROUT F is a mixture of cement, graded aggregates, resins, pigments and special waterproofing additives that when mixed with water the obtained paste has excellent workability and can be applied and cleaned very easy inside joints between ceramic tiles and natural stones. NOVAGROUT F hardens without shrinkage giving a smooth final joint surface with high compressive and flexural strength.

Typical Applications

NOVAGROUT F can be used for grouting:

- Wall and floor coverings of ceramic tiles, natural stones, glass mosaic with maximum joint width of 10mm.
- Ceramic tiles and natural stones in internal and external applications with narrow joints.
- All usual joints between non resilient coverings that don't require resistance to corrosive for cement chemical agents.
- Ceramic tiles and glass mosaic in bathrooms, WC and built in tabs.
- Glass mosaic with net or paper support.

Application Procedure

Preparing the joints

Before applying the grout make sure that the joints are very well cleaned. Grouting must take place after the adhesive has hardened (not less than 3 - 4 hours). Please refer to the Technical Data Sheet of the adhesive used for tiling. If the tiles are fixed with cement mortar (traditional system) the grouting should take place after 7 - 14 days depending on the application. If the tiles are very absorbent, high temperatures and dry wind are present, it is recommended to wet the joints with a sponge soaked in clean water keeping in mind that excess water may cause unevenness in the color of the grout. This unevenness may also occur when application takes place in temperatures less than +5°C. The substrate should be insulated and rising damp shouldn't be present. Rising damp from the substrate may alter the final color of the joint.

Preparing the mix

While stirring pour NOVAGROUT F powder into a clean container with 1,4 - 1,5lt of clean water and mix with a low speed mixer until a homogeneous paste free of lumps is obtained. Let the mix rest for a few minutes and stir again. In order to prolong the open time of the mix it is recommended to store the NOVAGROUT F packages inside cool and protected from strong sun and humidity area.

Applying the mix

Fill the joints with the NOVAGROUT F mix by means of an ap-

propriate rubber spatula. Remove the excess of NOVAGROUT F mix from the surface with a trowel by working diagonally to the joints. Wait for about 10 - 20 minutes until the grout loses its plasticity. The most appropriate moment to start cleaning is when the grout becomes opaque. Use first a wet sponge and then a damp and clean cloth for cleaning. If cleaning takes place earlier than it should the joints may be partially emptied. On the other hand if the grout has already hardened trying to remove the excess grout mechanically you may damage the surface with scratches. During high temperature or on windy days it is recommended to protect the joints from rapid water evaporation by means of a wet cloth or other suitable tool. Tiles grouted with NOVAGROUT F should be protected from strong wind, sun and rain for 24 hours. Acid cleaning (not strong acids, please contact our Technical Support) should take place after 5 - 7 days. Do not add water to the mix if the product starts, to harden in the bucket. If such incident occurs the mix should be disposed.

Packaging

Plastic bags of 5kg and paper bags of 20kg.

Storage

NOVAGROUT F remains stable for at least 12 months in original packaging, stored in a dry place and protected from humidity and direct sunlight.

Cleaning

NOVAGROUT F can be removed while it is still fresh from tools, hands and clothes with water. When it starts to become dry it can be removed only by mechanical means or with dilution of ACID CLEAN. For more information please refer to the relevant Technical Data Sheet and contact our Technical Support.

Recommendations

- Do not use NOVAGROUT F for joints wider than 10mm (use NOVAGROUT G or NOVAGROUT ULTRA G).
- Don't mix NOVAGROUT F with water when it starts to set in the bucket. Otherwise the final strength of the joint will be compromised.
- Don't use NOVAGROUT F for expansion joints or joints with movement. Fill them up with flexible sealants like PU 500 or NOVACOLOR NR.
- To avoid unevenness in color always mix NOVAGROUT F with clean, not salty water always inside a clean container.
- In cases of tiles with rough surface or containing micro - porosities it is recommended to make sample tests to ensure clean ability.

TECHNICAL DATA

Product Identification

Type	powder
Color	see NOVAGROUT color chart
Density	>1,3 gr/cm ³
Dry solids content	100%
Storage	12 months

Application data (+23°C and 50% R.H.)

Mixing ratio	1,4 - 1,5lt water for 5kg
Consistency of mix	pasty
Density of mix	> 1,50kg/lt
Application temperature	from +5°C to +35°C
Pot life	approx. 1 hour
Ready for light foot traffic	after 4 - 6 hours
Ready for heavy traffic	after 24 hours
Cure time (95%)	7 days

Final Performances

Resistance to moisture	excellent
Resistance to aging	excellent
Resistance to solvents and oils	good
Resistance to acids	moderate
Resistance to alkalis	excellent
Resistance to temperature	from -30°C to +80°C
Flexibility	no
Flexural strength	
7 days	> 5,0N/mm ²
28 days	> 5,2N/mm ²
Compressive strength	
7 days	> 19,0N/mm ²
28 days	> 24,0N/mm ²

- For cement screed substrates it is advisable to apply NOVAGROUT F after the complete drying of the substrate (7days for every cm of thickness), otherwise there is great possibility of rising damp and moisture to affect the color of the grout in the joints. This may also occur if there is no waterproofing in the substrate or there is continuous rising damp.

- Avoid using NOVAGROUT F in areas where there is usage of acids or strong chemicals (use NOVAGROUT EPOXY).

- NOVAGROUT F grouts contain cement so all normal precautions taken for cement based products should be applied (curing in humid environment, protection from strong wind and sun in the first hours etc).

- On very narrow joints close to zero between tiles like retification and in cases where a moderate resistance to light acids is required it is recommended to use NOVACOLOR GLASS.

- Do not mix NOVAGROUT F with lime, cement, gypsum or other hydraulic binders.

- Do not add pigments inside the NOVAGROUT F mix. There is danger of uneven color appearance in the joint.

Consumption

The consumption of NOVAGROUT F differs depending on dimensions of the tiles (size and thickness) and the width of joints. Some typical examples of coverage in kg/m² are shown below:

Warming

The technical data and recommendations contained in this leaflet correspond to the best of our knowledge and experience. All the above mentioned information in any case should be considered as merely indicate and subject to confirmation after long term practical applications. For this reason anyone interested of using the product must be sure before hand that the product is suitable for the envisaged application. In every case the user alone is fully responsible for any consequences deriving from the use of the product. We retain the right of renewal of the data of the leaflet without warning.

ONLY FOR PROFESSIONAL USE

Safety Instructions

For further information please refer to the Safety Data Sheet of the product.

Type of tile	Dimensions cm	Thickness mm	Joint mm	Consumption kg/m ²
glass mosaic	2,5 x 2,5	4	2	1,1
glass mosaic	5 x 5	4	2	0,6
ceramic	10 x 10	6	2	0,4
single fired	20 x 20	8	3	0,4
ceramic	15 x 22	6	3	0,3
stone tiles and single fired	10 x 20	8	4	0,7
stone tiles and single fired	15 x 22	8	4	0,7
single fired	30 x 30	8	6	0,6
cotto tiles	33 x 33	20	10	2,3
cotto tiles	33 x 33	20	15	3,4

Color chart NOVAGROUT F

00 Bianco
10 Manhattan
11 Argento
13 Cemento
14 Antracite
20 Black
30 Jasmine
31 Vanilla
32 Beige
34 Perla Beige
35 Ivory
40 Corallo

Due to printing process all colors should be considered as indicative.

41 Caramel
42 Marrone
44 Cacao
46 Perla Grigio
47 Kashmir
49 Orange
50 Yellow
55 Fire Red
60 Magnolia
65 Cotto
72 Ocean
73 Blue
81 Green



IRRITANT