

NOVAGROUT STONE

Cement based grout for joints between natural and artificial stones on walls and floors with light traffic from 10 - 30mm

- ▷ 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 grey and beige

Description

NOVAGROUT STONE 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. NOVAGROUT STONE cures without shrinkage giving a semi smooth final surface. Ideal for grouting facades of natural and artificial stones.

Typical Applications

NOVAGROUT STONE can be used for grouting:

- Ceramic tiles with joints in areas without heavy loads.
- Natural and artificial stones on facades in internal or external areas ie churches, traditional houses.
- Artificial stones on walls in interior or in exterior in houses, restaurants and hotels.
- Floors of natural stones with irregular joints and light foot traffic.

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 the 25kg bag containing the NOVAGROUT STONE powder into a clean container with 5,2 - 5,8lt 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 STONE packages inside cool and protected from strong sun and humidity area.

Applying the mix

Fill the joints with the NOVAGROUT STONE mix by means of an appropriate rubber spatula. Remove the excess of NOVA-

GROUT STONE mix from the surface with the spatula by working diagonally to the joints. Wait for about 10 - 20 minutes until the grout loose 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 of the joint 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 STONE should be protected from strong wind, sun and rain for 24 hours. Acid cleaning (not strong acids, 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

Paper bags of 25Kg and in pallets of 1250kg.

Storage

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

Cleaning

NOVAGROUT STONE 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.

Consumption

The consumption of NOVAGROUT STONE 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:

Recommendations

- Don't use NOVAGROUT STONE for joints smaller than 10mm or more than 30mm wide.
- Don't use safety or dirty water for preparing the NOVAGROUT STONE mix. The bucket should be clean without rust in order not to alter the NOVAGROUT STONE color.

TECHNICAL DATA

Product Identification

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

Application data (+23°C and 50% R.H.)

Mixing ratio	5,2 - 5,8lt water for 25kg powder
Consistency of mix	thin 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
Cure time	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	> 4,0N/mm ²
28 days	> 5,2N/mm ²
Compressive strength	
7 days	> 17,0N/mm ²
28 days	> 22,0N/mm ²

Type of tile	Dimensions cm	Thickens mm	Joint mm	Consumption kg/m ²
ceramic	10 x 20	10	10	2,4
ceramic	25 x 25	12	10	1,5
quarry tiles	25 x 25	20	15	3,8
single fired	25 x 25	20	20	5,1
cotto	30 x 30	10	10	1,1
single fired	30 x 30	20	15	3,2
cotto	30 x 30	20	30	6,0
irregular stone joints	60 x 30	30	40	9,5
irregular stone joints	60 x 30	40	50	14,0

• Don't mix NOVAGROUT STONE with water when it starts to set in the bucket. Otherwise the final strength of the joint will be compromised.

• Don't use NOVAGROUT STONE 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 STONE 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.

• For cement screed substrates it is advisable to apply NOVAGROUT STONE 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 STONE in areas where there is usage of acids or strong chemicals (use NOVAGROUT EPOXY).

• NOVAGROUT STONE 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 retificato and in cases where a moderate resistance to light acids is required it is recommended to use NOVACOLOR GLASS.

• Do not mix NOVAGROUT STONE with lime, gypsum, cement or other hydraulic binders.

• Do not mix NOVAGROUT STONE with pigments because there is a danger of uneven color of the joint surface.

• Do not use NOVAGROUT STONE for joints on floors with heavy foot traffic (use NOVAGROUT G or NOVAGROUT ULTRA G or NOVAGROUT EPOXY).

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 PROFFESIONAL USE

Safety Instructions

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

NOVAGROUT STONE Color Chart

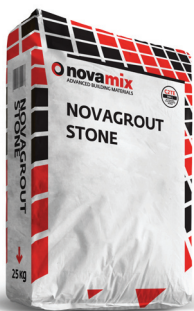


13 Cemento



32 Beige

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



IRRITANT