

NOVAGROUT F



Cement-based grout for tiles and natural stones

- ▷ **Suitable for floors and walls**
 - ▷ **Easy application and cleaning**
 - ▷ **High mechanical strength**
 - ▷ **Suitable for areas with heavy traffic**
 - ▷ **For joint thicknesses of 1 - 10 mm**
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Description

NOVAGROUT F is a cementitious grout, with reduced water absorption and high abrasion resistance for grouting tiles and natural stones on floors and walls. Available in 17 shades and can be applied to joints of at least 1mm width indoors and outdoors.

Certifications

Classification in compliance with EN 13888 as an improved grout for ceramic tiles with reduced water absorption and high abrasion resistance, category CG2WA.

Uses

NOVAGROUT F is suitable for grouting to:

- Ceramic tiles
- Glass and marble mosaics
- Natural stones, marble, granite, agglomerates

For applications on horizontal and vertical surfaces such as:

- External areas, terraces, balconies etc.
- Internal areas, wet areas like shower rooms and WC
- Underfloor heating systems
- Heavy traffic floors such as shops, hotels, industrial sites, warehouses where resistance to chemical agents is not required

Technical Data

Product Identity

Form	Powder
Chemical substance	Portland cement, aggregates, special additives
Granulometry	$D_{max} : < 0,2 \text{ mm}$
Bulk density	$1,5 \pm 0,1 \text{ kg/L}$
Storage	12 months on dry area in the original sealed packaging

Application data (+23°C & 50% R.H.)

Mixing ratio	1,3 – 1,5 L water for 5kg
Specific gravity of the mix	$1,9 \pm 0,05 \text{ kg/L}$
Application temperature	from +5°C up to +35°C
Pot life	≈ 90 min
Open time	≈ 40 min
Range of joints	1 – 10 mm
Walkability	after 24 hours

Final performance according to EN 13888

	Performance	Requirement
Abrasion resistance	$\leq 350 \text{ mm}^3$	$\leq 1000 \text{ mm}^3$
Flexural strength after		
- dry storage	$\geq 6 \text{ N/mm}^2$	$\geq 2,5 \text{ N/mm}^2$
- after freeze-thaw cycles	$\geq 5 \text{ N/mm}^2$	$\geq 2,5 \text{ N/mm}^2$
Compressive strength after dry storage		
- dry storage	$\geq 30 \text{ N/mm}^2$	$\geq 15 \text{ N/mm}^2$
- after freeze-thaw cycles	$\geq 25 \text{ N/mm}^2$	$\geq 15 \text{ N/mm}^2$
Shrinkage	$\leq 1,5 \text{ mm/m}$	$\leq 2 \text{ mm/m}$
Water absorption after 30 min	$\leq 1,5 \text{ g}$	$\leq 2 \text{ g}$
Water absorption after 240 min	$\leq 3,5 \text{ g}$	$\leq 5 \text{ g}$

Application Procedure

Substrate Preparation

The joints should be dry and clean, free from grease, dust or loose materials. Adhesive residues should be removed from the joint before applying NOVAGROUT F.

Preparation of the mix

Mix the content of the plastic bag containing NOVAGROUT F (5 kg) with 1.3 – 1.5 liters of clean and fresh water by means of appropriate electrical stirrer at low speed (500 rpm) for at least 3 – 5 min, until a uniform mortar free of lumps is obtained. The mix has a pot life of 90 minutes. During hot periods and in general, it is recommended to avoid direct sunlight exposure of the materials (in powder or liquid form) before use, otherwise the working time is reduced. In any case avoid mixing by hand.

Application

Application of the mixture to the joints is made with rubber spatula diagonally in the direction of the joints to fill the depths and widths of the gaps. With the same tool and way, the excess material is removed from the surface of the tiles.

Cleaning is done as long as the product is fresh using a well-moistened hard sponge with circular movements. During the cleaning process the sponge should be cleaned at regular intervals with plenty of water. Then the surface of the tiles is cleaned with a clean, soft and slightly damp sponge. At the end of the cleaning, the tile surface should be free from traces of grout, because after hardening the product can only be removed by mechanical means.

Recommendations

- Protect the surface from rain and frost for the first 24 hours
- During application, the minimum substrate and ambient temperature should be + 5°C and maximum + 35°C
- For the adhesion and grouting of natural stones it is recommended to check the ease of cleaning and stability of natural stone shades
- Do not use on porous surfaces (eg cotto)
- Do not apply it to loose, fresh or on substrate that has not matured sufficiently
- Do not use it when there is water in joints or expansion joints
- Do not use in joints smaller than 1 mm and bigger than 10 mm
- Do not add cement, lime, gypsum or other binders or substances which may affect the mortar characteristics
- Never exceed the maximum recommended quantity of mixing water
- Avoid the presence of stagnant water in newly grouted joints. Permanent immersion in water takes place after 7 days
- Application should be performed by professional skilled workers

Consumption

Indicative consumption in kg/m²

Tile dimensions (cm)	Joint width (mm)				
	2	3	4	6	8
2 x 2 x 0,4	1,5	2,3	3,0	4,6	6,1
10 x 10 x 0,6	0,5	0,7	0,9	1,4	1,8
10 x 10 x 1	0,8	1,1	1,5	2,3	3,0
10 x 20 x 0,6	0,3	0,5	0,7	1,0	1,4
10 x 20 x 1	0,6	0,9	1,1	1,7	2,3
15 x 15 x 0,6	0,3	0,5	0,6	0,9	1,2
12 x 24 x 1,2	0,6	0,9	1,1	1,7	2,3
25 x 25 x 0,8	0,2	0,4	0,5	0,7	1,0
30 x 30 x 0,9	0,2	0,3	0,5	0,7	0,9
30 x 30 x 1,5	0,4	0,6	0,8	1,1	1,5
30 x 60 x 1	0,2	0,3	0,4	0,6	0,8
33 x 33 x 1	0,2	0,3	0,5	0,7	0,9
40 x 40 x 1	0,2	0,3	0,4	0,6	0,8
45 x 45 x 1	0,2	0,3	0,3	0,5	0,7
50 x 50 x 1	0,2	0,2	0,3	0,5	0,6
60 x 60 x 1	0,1	0,2	0,3	0,4	0,5
60 x 120 x 1	0,1	0,1	0,2	0,3	0,4
80 x 80 x 1	0,1	0,1	0,2	0,3	0,4
90 x 90 x 1	0,1	0,1	0,2	0,3	0,3
120 x 120 x 1	0,1	0,1	0,2	0,3	0,3

Cleaning

Tools, buckets, tiles etc. can be cleaned with fresh and clean water as long as, NOVAGROUT F is still fresh. After hardening occurs, cleaning can take place by mechanical means. Traces on tiles using ACID CLEAN.

Storage

NOVAGROUT F remains stable for 12 months from production date inside its original sealed packaging, stored in protected dry area in temperature between +5°C and +35°C.

Packaging

Plastic bag of 5 kg and multi-layer paper bags of 25kg

Safety Instructions

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

Warning

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. In practice, variations in materials, substrates and on-site implementation conditions are such that no warranty can be given on their merchantability or suitability for a particular purpose, and no liability whatsoever from any legal relationship can be claimed against the Company on the basis of any written information, written suggestions tips or other forms of instructions provided. For this reason anyone interested of using the product must be sure beforehand 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. For the latest and valid version of the Technical Data Sheet refer to use website www.novamix.gr or directly to the following QR code of the product.



ISO 9001:2015
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