

MONNELI NEOFIL COLOR 4-20

Latex Modified Cementitious Tile Grout for Joints 4-20 mm Wide

Product Description

A fine colored latex modified powder composed of cement, quartz, synthetic resins and waterproofing additives which when mixed with water gives smooth, easily applied grouting mortar with high mechanical resistance and compensated shrinkage.

NEOFIL COLOR 4-20 is produced in a variety range of colors which matches all types of tiles.

Uses

NEOFIL COLOR 4-20 can be used for sealing up to 20 mm joints width for ceramic tiles, clinker, quarry tile, mosaics, etc. It is suitable for floors and wall joints internally and externally, including kitchens and bathrooms.

To obtain high resistant characteristics (heavy traffic) or high waterproofing resistance (swimming pools), it is recommended to mix NEOFIL COLOR 4-20 with GIUNTOLASTIC instead of water.

Advantages

- Ideal for internal and external floors and wall joints
- Crack-free, non-shrinkage grout with high abrasion, compression and flexural strength
- Can be used for ceramic tiles, mosaics, clinker, quarry tile etc.
- Suitable for joints width from 4 to 20 mm
- Water and Weather resistant
- Formulated to suit tropical climate
- Very low VOC, Asbestos Free

Instructions for Use

Surface Preparation

Make sure that the tile adhesive has totally set before applying NEOFIL COLOR 4-20 grout. The joints must be clean and free from dust. Clean the joints between tiles with brush before grouting.

Mixing

Mix 1.5 – 1.75 liters of cold, potable water (or GIUNTOLASTIC instead of water as needed), in the mixing bucket and add slowly 10 kg bag of NEOFIL COLOUR 4 – 20 under continuous mixing until a uniform lump free consistency mix is achieved.

Application

After mixing, let the material rest for about 10 minutes, then remix and spread using a rubber grout float.

Let the product set for about 20 minutes and then clean with a damp sponge. After the material has hardened completely, clean the surface of the tiles with a dry cloth.

Cleaning

All used tools should be cleaned with water before the product cures.

Recommendations

- Do not apply NEOFIL COLOR 4-20 in rainy weather, high winds and during sand storms
- Do not apply on surface that has temperature less than 5°C.
- During summer season, working area should be covered to prevent direct sun effects. Keep equipment cool and use cold water
- The product should not be exposed to moving water during application

- Apply NEOFIL COLOR 4-20 when the joint is totally dry.
- In case of very high absorbent tiles or high temperature, dampen the joints with clean water.
- It is recommended to grout the joints after 24 hours of tile fixing.
- Since temperature and humidity conditions affect the final curing, it is advisable to allow extended periods of cure when temperatures are low and/ or relative humidity is below 70%.

Technical Data

Properties	Results
Density (dry) at 25°C	2.0 kg/L
VOC	< 5 g/L
Workable Time at 25°C	45 minutes
Compressive strength	> 25 N / mm ²
Flexural strength	5 N / mm ²
Adhesion strength	1.8 N / mm ²
Linear shrinkage	< 2.6 mm
Water absorption	< 10 g
Noxiousity CEE 88/379	No

All values are subject to 5-10 % tolerance

Applicable Standards

- European EN 13888 – CG1
- ANSI A 118.7
- ISO 13007-3 as CG1

Packaging

NEOFIL COLOR 4-20 is supplied in 10 and 20 Kg bags

Storage

Store in a dry covered place in original well closed packaging. Shelf life is 12 months if stored as recommended.

Health & Safety

NEOFIL COLOR 4-20 can be harmful to skin as it contains cement powders which may releases alkalis when mixed with water.

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

If ingested, obtain medical attention immediately. Do not induce vomiting.

Consumption

Size of the Tile (mm)	Width of the Joint (mm)				
	2	3	5	8	10
100 X 100 X 6	0.4	0.6	1.0		
150 X 150 X 6		0.4	0.6		
200 X 200 X 8		0.4	0.6		
250 X 250 X 8		0.3	0.8	1.2	1.5
300 X 300 X 9		0.3	0.4	0.7	0.9
300 X 300 X 10		0.3	0.5	0.9	1.1
300 X 600 X 10		0.2	0.4	0.6	0.9
400 X 400 X 10		0.2	0.4	0.6	0.8
600 X 600 X 12			0.4	0.5	0.6

For different size of tiles or width of joints, the consumption can be calculated using either of the two following formulas:

Formula 1:

$$\frac{W \times D}{1,000} \times L \times 1.9 = \text{Kg. /m}^2$$

W = width of joint (mm)
D = thickness of tile (mm)
L = linear meter of joints in 1 m² of tiles
A = length of tile (mm)
B = width of tile (mm)

Formula 2:

$$\frac{A + B}{A \times B} \times W \times D \times 1.9 = \text{Kg. /m}^2$$

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