

MONNELI NEOFIL F10

Adhesive & Grout for Glass, Ceramic Marble Mosaics

Product Description

A high performance white colored cementitious adhesive. It is slip resistant and has good open time. NEOFIL F10 does not contain asbestos nor any other harmful components.

Uses

NEOFIL F10 is used as adhesive, as well as, joint grout in the same application for interior and exterior floor and wall tiles including:

- Ceramic, glass and marble mosaic on cementitious renders.
- Mosaic on non planar substrates, without tiles slipping.
- Mosaic on gypsum board panels.

NEOFIL F10 can be mixed with ELASTOKOL. When mixed is suitable for use:

- Installing glass mosaic or ceramic tile on non absorbent surfaces
- Installing glass mosaic or ceramic tiles in swimming pools, basins or similar structures even on absorbent substrates

Advantages

- It is a creamy paste which it is easily workable
- Excellent adhesive, to all conventional materials used in building
- Highly thixotropic
- Good open and adjustability time, making installation easier

Instructions for Use

Surface Preparation

All surfaces should be sound, clean & uncontaminated. This preparation should leave an exposed concrete surface free from dust, loose particles, deleterious matter, oil, grease, chemical films & other contaminants.

All loose particles of mortar, paint, etc. must be physically removed.

Concrete or blockwork: allowed to cure sufficiently so that all shrinkage movements take place before fixing tiles.

Gypsum supports: treat with PRIMER A16. Should not have a percentage of humidity more than 10%.

The surface of substrates must be moistened slightly with clean water to reduce the absorption of water from the mortar. Do not moistened the tiles.

Mixing

Place 5.0 – 5.25 liters of cold, potable water (or ELASTOKOL as needed) in the mixing bucket and add slowly 25 kg bag of NEOFIL F10 under continuous mixing till a uniform lump free consistency mix is achieved. For mixing process, a slow speed drill (200- 300rpm) fitted with a suitable paddle is recommended.

Allow the obtained mix to stand for 5 minutes and then remix before application.

Application

Spread NEOFIL F10 on the substrate to a uniform thickness of 3mm using a toothed spatula, the first pass with its smooth part and the second pass, immediately after, to the desired thickness using the toothed part.

Place the tiles onto the adhesive bed. Apply sufficient pressure on the tile during fixing with slight twisting movement in order to ensure good contact with the mortar.

In case of large size tiles, it is necessary to spread the adhesive also to the backside of the tile and then place the tiles into the adhesive bed.

Apply enough material that can be tiled during the adhesive's open wet time. Spreading large areas may result in drying the adhesive before tiles can be fixed causing poor adhesion.

The mosaic and tiles should be installed starting from top towards the bottom with a firm pressure to ensure a good contact with the adhesive.

Finishing

Remove excess adhesive with a damp cloth before it dries. Joints grouting between tiles may be commenced after 10 hours of tiling for walls and 24 hours for floors.

Cleaning

Tools and equipment should be cleaned with water immediately after use. Hardened materials should be mechanically removed.

Recommendations

- For improved adhesion strength and higher elasticity, it is recommended to replace water with ELASTOKOL
- For ceramic tile installations when an adhesive layer thicker than 5mm is required
- Floor and wall coverings installed with NEOFIL F10 must not be washed down or exposed to rain for at least 24 hours and must be protected from direct sunlight and frost for at least 5 – 7 days after the installation
- Basins and swimming pools can be filled with water after 14 days of applying NEOFIL F10
- Do not use NEOFIL F10 on woods, metal, rubber, PVC or linoleum surfaces
- Do not apply NEOFIL F10 on moist substrates as it would slow down its setting

Technical Data

| Properties | Results |
|----------------------------------|------------------------|
| Appearance | Powder |
| Color | White |
| Dry density | 1.50 kg/L |
| Wet density | 1.70 kg/L |
| VOC | 1.6 g/L |
| Water resistance | Excellent |
| Slip resistance | Excellent |
| Flexibility | Excellent |
| Open time | Approx. 20 minutes |
| Workable time | 45 minutes |
| Wall grouting | After 10 hours |
| Floor grouting | After 24 hours |
| Full strength | 14 days |
| Shear strength | 1.7 N/mm |
| Adhesion strength (EN 1348) | |
| Initial adhesion at 28 days | 1.4 N/mm ² |
| Adhesion after heat | 0.95 N/mm ² |
| Adhesion after water immersion | 1.4 N/mm ² |
| Adhesion after freeze-thaw cycle | 0.9 N/mm ² |

All values are subject to 5-10 % tolerance

Applicable Standards

- European EN 12004 C2T
- ANSI A 118.4
- ISO 13007 – C2T
- EN 1346, EN 1348

Consumption

Approx. 2.5 to 4.5 kg NEOFIL 10 per m² using notched trowel on smooth surface. Consumption will vary according to type of tiles and support condition.

Packaging

Neofil F10 is packed in 25 Kg bags

Storage

Store in dry covered place in the original closed bags and shelf life is 12 months if stored as recommended.

Health & Safety

NEOFIL F10 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 with eyes, rinse with plenty of water and seek medical advice accordingly.

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

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