MONNELI NEOFIL MOSAIC FIX

High Performance Cementitious Adhesive for Mosaic Tiles

Product Description

NEOFIL MOSAIC FIX is a high performance polymer modified cementitious tile adhesive. It is water/weather resistant and does not contain asbestos nor any other harmful components.

Uses

NEOFIL MOSAIC FIX is used for fixing of mosaic tiles in interior and exterior walls and floors applications especially to those exposed to permanently wet condition.

- Kitchens, Bathrooms and Shower rooms
- Swimming pools and other water features
- Mosaic Tiles: ceramic, porcelain, marble.
- Special Mosaic Tiles: glass or metalic (when mixed with ELASTOKOL)
- Tiles: ceramic, porcelain tiles, vitrified tiles, granite & marble floors

Advantages

- Enhanced bond and tensile strengths
- Water and Weather resistant
- Eco-friendly
- Good open time and slip resistance (non sagging)
- Formulated to suit Middle East conditions

Instruction for Use

Surface Preparation

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

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

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

Gypsum supports: must be treated 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 – 5.5 liters of cold, potable water (or ELASTOKOL as needed) in the mixing bucket and add slowly 25 kg bag of NEOFIL MOSAIC FIX 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 3 minutes and then remix before application.

Application

Spread NEOFIL MOSAIC FIX on the substrate to a uniform thickness using a toothed spatula, the first pass with its straight edge 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 it with slight twisting movement in order to ensure good contact with the adhesive.

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.

Finishing

Remove excess adhesive with damp cloth before the material has set. Joint grouting between tiles may be commenced 10 hours after tiles have been laid on the walls and 24 hours after tiles are laid on the floors.

Cleaning

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

Recommendations

- To achieve improve adhesion strength, it is recommended to replace water with ELASTOKOL
- Stiffened mortar must neither be diluted with water nor with fresh mortar
- Do not use on metal or non-absorbing surfaces
- Do not apply in rainy weather, high winds and sand storms
- Do not apply under direct sun
- Keep equipment cool and use cold water
- Porosity of tiles and substrates has significant effect on adhesive strength of tiles

Applicable Standards

- ISO 13007/EN 12004: C2TE (S1 when mixed with ELASTOKOL)
- ANSI A 118.4
- EN 1346 / EN 1348

Consumption

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

Packaging

NEOFIL MOSAIC FIX 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.

Technical Data

Properties	Results
Appearance	Grey or White Powder
Density	Dry: 1.55 kg/L Wet: 1.70 kg/L
VOC	<1.0 g/L
Water resistance	Excellent
Slip resistance	Excellent
Open time	30 minutes
Workable time	45 minutes
Wall grouting	After 10 hours
Floor grouting	After 24 hours
Shear strength	1.6 N/mm²
Adhesion strength (EN 1348) Initial adhesion at 28 days Adhesion after heatageing Adhesion after water immersion Adhesion after freeze thaw cycle	1.5 N/mm² 1.0 N/mm² 1.1 N/mm² 1.10 N/mm²

All results are under standard lab conditions

Health & Safety

NEOFIL MOSAIC FIX 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.

The information in this Technical Data Sheet is based on Colmef Monneli's experience. Colmef Monneli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monneli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

DUBAI
ABU DHABI
KSA
ITALY

P.O. Box 123808 Dubai UAE
P.O. Box 127326 Abu Dhabi, UAE
P.O. Box 335896 Code: 11383 - Riyadh KSA
Z.I. Ponte dÁssi 06024 Gubbio (PG)

T. +971 4 8803488 F. +971 4 8803450
T. +971 2 5511949 F. +971 2 5511749
T. +966 1 2654277 F. +966 1 2654335
T. +39 75 9221297 F. +39 75 9221174

colmef@colmef.ae | www.colmef-me.com