

### MONNELI NEOFIL F8\*

*Waterproof Polymer Modified Tile Adhesive*

#### Product Description

---

A polymer modified cementitious tile adhesive. It is supplied as grey or white coloured powder. It is water resistant and does not contain asbestos nor any other harmful components.

#### Uses

---

NEOFIL F8\* is used for fixing of ceramic tiles in interior and exterior applications especially to those exposed to permanently wet condition.

- Institutional Kitchen
- Bathrooms
- Shower rooms
- Swimming pools
- Laboratories
- Hospitals
- Porcelain, ceramic, vitrified tiles, granite floors

#### Advantages

---

- Enhanced bond and tensile strengths
- Water resistance
- Eco-friendly
- Non-sagging
- Good open time and slip resistance
- Formulated to suit Middle East conditions
- Economical

#### 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 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 4.8 – 5.0 liters of cold, potable water (or ELASTOKOL as needed) in the mixing bucket and add slowly 25 kg bag (or 9.6 – 10.0 L for 50 kg bag) of NEOFIL F8\* 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 F8\* 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
- The grey type presents higher mechanical resistances. It is therefore advisable to use to fix tiles on floor
- Stiffened mortar must neither be diluted with water nor with fresh mortar
- Do not use NEOFIL F8\* on metal or non-absorbing surfaces
- Do not apply NEOFIL F8\* 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

## **Technical Data**

Properties	Results
Appearance	Powder
Color	Grey or white
Dry density	1.55 kg/L
Wet density	1.70 kg/L
VOC	4.0 g/L
Water resistance	Excellent
Slip resistance	Excellent
Open time	Approx. 20 minutes
Workable time	45 minutes
Wall grouting	After 10 hours
Floor grouting	After 24 hours
Shear strength	1.4 N/mm <sup>2</sup>
Adhesion strength (EN 1348)	1.4 N/mm <sup>2</sup>
Initial adhesion at 28 days	1.0 N/mm <sup>2</sup>
Adhesion after heat ageing	1.0 N/mm <sup>2</sup>
Adhesion after water immersion	1.0 N/mm <sup>2</sup>
Adhesion after freeze thaw cycle	1.0 N/mm <sup>2</sup>

All values are subject to 5-10 % tolerance

## **Applicable Standards**

- ISO 13007 / EN 12004: C2T
- ANSI A 118.4 (when mixed with Elastokol)
- EN 1346 / EN 1348

## Consumption

Approx. 2.5 to 4.5kg NEOFIL F8\* per m<sup>2</sup> using notched trowel on smooth surface. Consumption will vary according to type of tiles and support condition.

## Packaging

NEOFIL F8\* is packed in 25 and 50 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 F8\* can be harmful to skin as it contains cement powders which may release 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 Monnelli's experience. Colmef Monnelli 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 Monnelli'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 d'Ássi 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

**NEOFIL F8\***  
*Technical Data Sheet*  
*Edition: September 2021*  
*Revision: 04*

[colmef@colmef.ae](mailto:colmef@colmef.ae)

[www.colmef-me.com](http://www.colmef-me.com)