

MONNELI NEOFIL F15

Tile Adhesive on Gypsum Board Substrate

Product Description

A high quality polymer modified waterproof powder adhesive formulated in a way to obtain excellent characteristics of workability and adhesion. It is specially formulated to fix ceramic tiles on gypsum boards and all types of gypsum substrates. It is water resistant and does not contain asbestos nor any other harmful components.

Uses

NEOFIL F15 is used for fixing most types of ceramic tile on gypsum boards.

It suitable for use as an:

- Adhesive
- Joint grout for interior and exterior floor
- Wall bonding of ceramic tiles

Advantages

- Enhanced bond and tensile strengths
- Flexible
- Water resistant
- Good Workability
- Eco-friendly
- Formulated to suit Middle East conditions

Instructions for Use

Surface Preparation

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

All cracks and joints should be treated with crack and joint fillers.

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

Allow gypsum supports to cure sufficiently; percentage of humidity must not exceed 10%.

Gypsum substrates are highly porous and must be treated by PRIMER A16, a PVA based primer. Primer should be left on a tack-free condition for 2-3 hours before applying the adhesive.

If the substrate is excessively porous, a second coat of primer shall be applied again.

Mixing

Add NEOFIL F15 bag of 25 Kg into a container of 5 - 5.25 liters of water, mix until a uniform, lump free consistency mix is achieved. For mixing process, a slow speed drill (200 – 300 rpm) fitted with a suitable paddle is recommended.

Keep the obtained mix for 5 minutes and then remix before application.

Application

Spread NEOFIL F15 on the substrate to a uniform thickness of 3 mm using a toothed spatula, the first pass with its smooth part and the second pass with 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 adhesive.

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

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

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

- 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 NEOFIL F15 on metal, wood or non-absorbing surfaces
- Do not apply NEOFIL F15 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

Consumption

Approx. 2.5 to 4.25 Kg NEOFIL F15 per m² using notched trowel on smooth surface. Consumption will vary according to type of tiles and support condition.

Packaging

NEOFIL F15 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	Powder
Color	White
Dry density	1.3 kg/L
Wet density	1.50 kg/L
VOC	2.0 g/L
Water resistance	Excellent
Open time	Approx. 30 minutes
Workable time	45 minutes
Wall grouting	After 10 hours
Floor grouting	After 24 hours
Shear strength	1.6 N/mm
Adhesion strength (EN 1348) Initial adhesion at 28 days Adhesion after heat ageing Adhesion after water immersion Adhesion after Freeze-thaw cycle	1.5 N/mm ² 1.1 N/mm ² 1.3 N/mm ² 1.0 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

Health & Safety

NEOFIL F 15 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.

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