

Description:

Cementitious ceramic tile adhesive with extended open time and reduced slip.

Fields of Application:

Floor and wall bonding of all types of ceramic tiles, mosaic, and decorative bricks on cementitious renders, cementitious screeds, and concrete.

Properties:

- High adhesion strength.
- Allows installation of tiles from top towards the bottom.
- Extended open time.
- Easily trowellable.

Storage:

Store in a dry medium.
 Do not stack more than 10 bags on top of each other.

Packaging:

Available in 5 kg polyethylene bags and 25 kg multi-ply paper bags.

Application:

- Substrates must be sound, free from oil, grease, and sufficiently dry.
- Cementitious substrates must be cured.
- Wipe the back side of tiles with water if dusty.
- A low-speed mixer is recommended for mixing.
- Do not add any additive that is not mentioned in the instructions for the application.
- Allow the mixture to stand for 5-10 minutes to mature.
- After 1-2 minutes of remixing, the paste is ready for application.
- Clean tools and hands with water, surfaces with a damp cloth.
- Install the tiles within this period with pressure.
- Dispose of mortars with expired pot life.

- Spread the mortar onto the substrate with a notched trowel, using a notch size appropriate to the tile dimension.
- To achieve good adhesion, first apply a thin coat of POLYFLEX 51 with the flat side of the trowel, then notch with the toothed side of the trowel.
- The open time is 30 minutes.
- Slowly pour 25 kg of POLYFLEX 51 into 6.5-8 litres of clean water and mix to obtain a homogeneous paste free from lumps.
- Unfavorable climatic conditions (high temperature, low humidity, wind, etc.) can reduce this time to just a few minutes.
- If the open time period is exceeded, scratch and discard the mortar.
- Tiles installed with POLYFLEX 51 must not be subject to water for at least 24 hours.

Warnings:

- Since it contains cement, it can be irritating to the eyes, respiratory system, and skin. Refer to the safety data sheet for further information.
- The indicated consumption is general information and may change depending on the application conditions and surface properties.

Technical Properties		(at 23°C and 50% RH)
General Data		For POLYFLEX 51
Appearance		Grey Powder
Shelf Life		12 months when stored in original sealed packing in dry
Application Data		
Application Temperature Range		(+5°C) - (+35°C)
Mixing Ratio		6,5-7,5 lt water / 25 kg powder / 3,25 - 3,75 / 12,5 kg
Port Life		Approximately 5 hrs
Slip (EN 1308)		≤0,5 mm
Open Time (EN 1346)		After 25 minutes ≥0,5 N/mm ²
Grouting		10 hours on wall 24 hours after on floor
Consumption		3,5 kg / m ²
Performance Data		
Tensile Adhesive Strength (EN 1348)		≥ 0,5 N/mm ²
Initial		≥ 0,5 N/mm ² 131
After Heat Exposure		≥ 0,5 N/mm ² 132
After Immersion In Water		≥ 0,5 N/mm ² 133
After Freeze/Thaw Cycles		(-40°C)-(+80°C)
Service Temperature Range (After Final Cure)		Complies
Dangerous Substances (EN 12004)		A1
Reaction To Fire		