

**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:**

- 5 kg polyethylene bag.
- 25 kg multi-ply paper bags.

**Application:**

- Substrates must be sound, free from oil, grease, and sufficiently dry.
- Cementitious substrates must be cured.
- Pour 25 kg of POLYFLEX 52 into 6.5-8 litres of clean water slowly and mix to obtain a homogeneous paste free from lumps. A low speed mixer is recommended to mix. Do not add any additive which is not mentioned in the instructions for the application.
- Spread the mortar onto the substrate with notched trowel of which notch size is appropriate to the tile dimension (See Notch Size Recommendation Table). To obtain a good adhesion first apply a thin coat of POLYFLEX 52 with the fl at side of trowel, then notch with the toothed side of trowel.

- Wipe the back side of tiles with water if dusty.
- Allow to stand for 5-10 minutes to mature. After 1-2 minutes remixing, the paste is ready for application.
- Open time is 30 minutes. Install the tiles within this period with pressure. Unfavourable climatic conditions (high temperature, low humidity, wind, etc) can reduce this time to just a few minutes. If this period exceeds, scratch and discard the mortar.
- Dispose mortars of which pot life is expired. Clean tools and hands with water, surfaces with a damp cloth.
- Tiles installed with POLYFLEX 52 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. For further information, refer to the safety data sheet.
- The indicated consumption is general information and may vary depending on the application conditions and surface properties.

| Technical Properties                         |  | (at 23°C and 50% RH)                                    |
|--|--|---|
| <b>General Data</b>                          |  | <b>For POLYFLEX 52</b>                                  |
| Appearance                                   |  | White Powder  |
| Shelf Life                                   |  | 12 months when stored in original sealed packing in dry |
| <b>Application Data</b>                      |  |   |
| 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 <sup>2</sup>                 |
| Grouting                                     |  | 10 hours on wall 24 hours after on floor                |
| Consumption                                  |  | 3.5 kg / m <sup>2</sup>                                 |
| <b>Performance Data</b>                      |  |   |
| Tensile Adhesive Strength (EN 1348)          |  |   |
| Initial                                      |  | ≥ 0.5 N/mm <sup>2</sup>                                 |
| After Heat Exposure                          |  | ≥ 0.5 N/mm <sup>2</sup>                                 |
| After Immersion In Water                     |  | ≥ 0.5 N/mm <sup>2</sup>                                 |
| After Freeze/Thaw Cycles                     |  | ≥ 0.5 N/mm <sup>2</sup>                                 |
| Service Temperature Range (After Final Cure) |  | (-40°C)-(+80°C)   |
| Dangerous Substances (EN 12004)              |  | Complies  |
| Reaction To Fire                             |  | A1  |