

## Strutile PH4

# Strutile® PH4

**Ready for Use Paste Tile Adhesive, with No Vertical Slip and Extended Open Time, for Ceramic Tiles**

**Uses****Where to use:**

- Indoor bonding of ceramic tiles and ceramic mosaics of every type on walls, also on slightly deformable surfaces.

- Spot-bonding insulating materials such as expanded polystyrene and polyurethane, rock and glass wool, wood-cement panels, foamed-concrete elements, sound deadening panels, etc.

**Some application examples:**

- Absorbent tiles on precast or cast concrete walls.
- Tiles on gypsum-plasters, sprayed gypsum and precast panels.
- Tiles on gypsum-board walls.
- Absorbent tiles on painted walls.
- Absorbent tiles on old tiles.
- Large format tiles on walls.
- Installation of insulating panels on plaster.
- Installation of expanded polystyrene ceilings.

**Advantages**

- Ready to use and easy to apply
- High adhesion properties
- When hardened it has good flexibility, excellent bonding strength and can withstand the limited vibrations and deformations of building substrates.

**Description**

Strutile PH4 is a high quality adhesive consists of different mineral powders, dispersion acrylic polymers, adhesion promoters and thixotropic agents.

**Recommendations**

Do not use Strutile PH4 in the following cases:

- for outdoor or continuous immersion applications (swimming pools, reservoirs, etc.);
- on metal surfaces;
- for the installation of non-absorbent tiles on non-absorbent substrates;

- for the installation of natural stones, especially light coloured limestones.

**Properties**

|                           |   |
|---------------------------|---|
| Appearance                | White paste                             |
| Specific gravity          | Typically 1.6 gr/cm <sup>3</sup> @ 20°C |
| Open time (25°C)          | Approx. 20 to 30 min                    |
| Tensile adhesive strength | ≥ 1.5 N/mm <sup>2</sup>                 |

**Instructions for use****Surface preparation:**

All surfaces must be sound and thoroughly clean before Strutile PH4 is applied. All traces of grease, oil and loose particles of mortar, old wallpaper, paint etc. must be physically removed.

**Surfaces:**

Strutile PH4 can be applied directly on concrete, cement screeds, and cement or lime mortar. Special attention must be given to new construction prior to commencing tiling. Tiles should not be placed on concrete or blockwork until all shrinkage movement has taken place.

**Mixing:**

Strutile PH4 is ready – for – use – Do not use thinner.

**Application:**

Apply Strutile PH4 on the substrate with a notched trowel. To choose the right trowel, follow the general rule of selecting one that gives a coverage to at least 65% of the back of the tile:

- for mosaics up to 5x5 cm, square-notched trowel no. 4 is recommended (consumption about 1.5 kg/m<sup>2</sup>);
- for normal ceramic wall tiles, square-notched trowel no. 5 is recommended (consumption about 2.5 kg/m<sup>2</sup>);
- for very irregular surfaces and tiles with high ribs or lugs, square-notched trowel no. 6 is recommended (consumption about 4 kg/m<sup>2</sup>).

The open time of Strutile PH4 in normal temperature and humidity conditions, is approximately 20-30 minutes.

The tiles must be laid within this time and particular attention must be paid as regards to the amount of adhesive used (4-6 m<sup>2</sup> in a single application).

Should the adhesive form a skin, the surface must be re-trowelled.

Do not work at temperatures below +5°C.

#### ***Installing the tiles:***

It is not necessary to wet the tiles before laying; if, however, the backs are very dusty, they should be quickly dipped in clean water. The tiles should be applied using firm pressure to ensure good contact with the adhesive. Any adjustment must be carried out within 40 minutes. Tiles bonded with Strutile PH4 should not be exposed to water for at least 10 days after fixing.

#### ***Bonding insulating materials:***

Insulating panels, decorative ceiling tiles, etc. can all be applied by either spot-bonding or full-bonding. Apply enough Strutile PH4 with a notched trowel, an ordinary trowel or other suitable tool to ensure good bonding. The various materials have to be applied under firm pressure to ensure good contact with Strutile PH4.

#### ***Joints:***

It is recommended that when fixing ceramic tiles, a minimum Spacing of 2 mm be left around each tile.

#### ***Grouting:***

Grout installation should be after a minimum of 24 hours curing time at 25°C.

#### ***Ready for use:***

Surfaces are ready for use after 7-14 days, depending on the absorption of the surface.

#### ***Finishing:***

Remove excess adhesive with a damp cloth before material has set.

#### ***Cleaning:***

Strutile PH4 should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

#### **Packaging**

Strutile PH4 is available in 25, 12 and 4 kg plastic buckets.

#### **Storage**

Strutile PH4 has a minimum shelf life of 6 months at 20°C if kept in a dry store in the original, unopened packs. The shelf life will be reduced at higher ambient temperatures.

#### **Precautions**

##### ***Health and safety:***

Strutile PH4 is not considered dangerous according to the current regulation regarding the classification of mixtures. It is recommended to wear gloves and goggles and to take the usual precautions for handling of chemical products. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

##### ***Fire:***

Strutile PH4 is non-flammable.