

Thermofix GP

Cementitious adhesive base coat plaster for external wall insulating systems with improved bond strength



Description

Thermofix GP is a cementitious adhesive specially designed to be used for permanent fixing of thermal insulation boards to a wide range of substrates including concrete and masonry.

Applications

- ▲ For permanent fixing of expanded polystyrene boards.
- ▲ For permanent fixing of extruded polystyrene boards.
- ▲ For permanent fixing of mineral wool boards.

Advantages

- ▲ Easy to apply.
- ▲ Water resistant.
- ▲ Non sag.
- ▲ Very good compressive strength.
- ▲ Very good bond strength.
- ▲ Requires no primer.

Method of Use

Substrate Preparation

All surfaces must be clean and free from oil, grease or loose materials. Substrate should be dimensionally stable. Allow time for shrinkage and structural strain movements.

Priming

Thermofix GP can be applied directly on concrete, cement plaster and masonry. In case of very porous substrates, water can be sprayed on the surface prior to the application.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

6.25 - 6.75 litres (for each 25 kg bags) of clean water should be added to clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing time should be continued for 3 minutes until a uniform consistency is obtained.

Technical Properties @25°C. W/P = 0.25:

Colour:	Grey
Fresh wet density (mixed):	1.8 ± 0.1 g/cm ³
Open time:	10 min @ 3 mm thickness
Pot life:	6 - 8 hr
Compressive strength: EN 1015-11	≥ 8.0 MPa @ 28 days
Adhesion strength with concrete substrate: EN 1015-12	≥ 1.0 MPa
Adhesion strength with EPS boards: EN 13494	≥ 100 KPa @ 28 days
Coefficient of water absorption by capillary-C: EN 1015-18	≤ 0.1 kg/m ² .min ^{0.5}
Thermal conductivity coefficient: EN 1745, A12	0.9 W/m.K

Application

Apply the mortar in a strip around the insulation board with a few spots in the middle. In case of a smooth base material, a toothed trowel can be used to spread the mortar on the back of the insulation board.

Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

Packaging

Thermofix GP is available in 25 kg bags.

Yield

Approximately 6 m²/25 kg bag at 3 mm thickness.

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Storage

Thermofix GP has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

As Thermofix GP contains Portland cement and sand, Thermofix GP may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

Fire

Thermofix GP is nonflammable.

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