

# Thermofix GP

Cementitious adhesive base coat plaster for external wall insulating systems with improved bond strength [ETICS/EIFS]



## DESCRIPTION

Thermofix GP is a high-quality cement-based adhesive mixture for permanent fixing of thermal insulation boards to various substrates such as concrete, masonry and screeds.

## APPLICATIONS

Thermofix GP is used for:

- » External and internal insulation of walls, ceilings, facades and other surfaces.
- » Fixing thermal insulation boards made of expanded polystyrene (EPS), and extruded polystyrene (XPS).
- » Fixing the reinforcing mesh in the thermal insulation system.

## ADVANTAGES

- » Easy to apply.
- » Water resistant.
- » Frost-resistant.
- » Very good compressive strength.
- » Very good adhesion strength.

## STANDARDS

- » EN ISO 13499 ETAG-004 (EOTA).
- » EN 998-1: 2016.

## METHOD OF USE

### SUBSTRATE PREPARATION

All surfaces must be clean and free from dust, paint, 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 or absorbent surfaces such as gypsum-based materials, apply a sealing primer prior to the application.

## TECHNICAL PROPERTIES @ 25°C:

Colour:	Grey and white
Fresh wet density (mixed):	1.7 ± 0.1 g/cm³
Open time:	20 min
Pot life:	3 hr
Adhesion strength to the base: EN 1015-12	≥ 250 kPa ETAG-004 (EOTA)
Adhesion strength with EPS, XPS board:  after 28 days under normal conditions	  ≥ 80 KPa
after 3 conditioning cycles EN ISO 13494 ETAG-004 (EOTA) EN 1015-12	≥ 80 KPa
Working temperature:	5 to 35°C
<b>EN 998-1: 2016 Requirements</b>	
Water absorption: EN 1015-18	Wc2
Water vapor penetration coefficient: EN 1015-19	μ ≥ 10
Adhesion: EN 1015-21	≥ 0.9 N / mm² - FP: B
Thermal conductivity coefficient: EN 1745, (λ10, dry)	0.88 W/m.K (tabular value; P = 50%)
Reaction to fire: EN 1305-1	Class: A1



# Thermofix GP

## MIXING

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

6.5 - 7.0 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. Leave the mixture to stand for 4 - 5 minutes, mix again and Thermofix GP is ready for use.

## APPLICATION

*As an adhesive:*

Apply the mortar in a strip, on the edges around the insulation board with a few spots in the middle (3 - 4 points minimum). In case of a smooth base material, a notched 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 3 - 6 kg/ m<sup>2</sup>.

## STORAGE

Thermofix GP has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 40°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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A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

#### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.