

Thermofix PRO Method Statement

(Flexible cementitious adhesive base coat and protective top coat plaster for external wall insulating systems [ETICS/EIFS])

Section A : General Comments

Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

| | | |
|------------------------------|---|--|
| <i>Protective clothing</i> | : | <i>Protective overalls</i> |
| | : | <i>Good quality gloves</i> |
| <i>Mixing equipment</i> | : | <i>Mixing bucket</i> |
| | : | <i>Mechanical mixer with mixing paddle</i> |
| <i>Application equipment</i> | : | <i>Trowel and notch trowel</i> |
| | : | <i>Stainless steel float</i> |

Section B : Application

1.0 Surface Preparation

1.1 As an adhesive for insulation board

- 1.1.1 Substrate shall be clean, dry and free of any substance that may adversely affect the adhesion such as oil, paint, grease, bitumen, curing compound and dusts.
- 1.1.2 The substrate shall be stable and fully cured, all laitance or other low strength layers shall be removed by scrubbing or blasting with water jet.

1.2 As render/plaster

- 1.2.1 The insulation board has to be firmly fixed using Thermofix PRO adhesives and fasteners.
- 1.2.2 Large gaps between insulation boards must be filled with strips of insulation board to leave minimal gaps.
- 1.2.3 All edges of the building need to be protected by PVC, aluminum or stainless steel angle bead.

2.0 Priming

- 2.1 Thermofix PRO can be applied directly on concrete, cement plaster, and masonry.
- 2.2 In case of very porous substrates or absorbent surfaces, such as gypsum-based materials, pre-apply a sealing primer.



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3.0 Mixing

- 3.1 To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- 3.2 6.5 - 7.0 litre of clean water for each 25 kg bag of Thermofix PRO should be added to a clean container.
- 3.3 The powder is then added slowly to the liquid while mixing continuously at low speed (400 - 600 rpm).
- 3.4 Mixing time should be continued for 3 minutes until a uniform consistency and free of lumps mixture is obtained.
- 3.5 Leave the resulting solution to stand for 4 - 5 minutes, stir again and Thermofix PRO is ready for use.

4.0 Application

- 4.1 As an adhesive:
 - 4.1.1 Apply the mortar in a strip, on the edges around the insulation board with a few spots in the middle (3 – 4 points).
 - 4.1.2 If the application is taken place on smooth substrates, a toothed trowel can be used to spread the mortar on the whole board (back battering technique).
 - 4.1.3 Start fixing the insulation board from the bottom and moving to the top.
 - 4.1.4 Ensure that the insulation boards have been totally adhered to the substrate by tightly pressing them using a long float to press and stroke the board in place.
- 4.2 As render/plaster:
 - 4.2.1 Apply Thermofix PRO with a notched trowel (tooth size 8 – 10 mm), evenly on the surface of the thermal insulation boards.
 - 4.2.2 Place the fiberglass mesh, and press with a notched trowel so that the mixture comes out over the mesh.
 - 4.2.3 Smooth the layer, ensuring that the reinforcing mesh remains in the top layer, approximately 1/3 depth.
 - 4.2.4 Re-plastering after 24 hours is recommended so that the contour of the grid is not marked.

Note: Mesh strips have to be over lapped by approximately 10 cm.

5.0 Cleaning

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

Section C : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Thermofix PRO**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.



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