



شركة أبولو لكيمائيات الأبنية Apollo For Construction Chemicals

Pluto Fix Method Statement

(High performance, easy workable cementitious tile adhesive with extended open time)

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, goggles and face mask</i>
<i>Mixing equipment</i>	:	<i>Clean container</i>
	:	<i>Mechanical mixer or drill with mixing paddle</i>
<i>Application equipment</i>	:	<i>Notch trowel</i>

Section B: Application

1.0 Surface Preparation

- 1.1 All surfaces must be clean, dry and free from dust, oil, grease, paints or any loose material.
- 1.2 Gypsum boards, plaster boards, anhydrite screeds or any highly absorbent cement based substrates must be sufficiently dry and free from dust. These substrates must be primed with NASA Bond 200 diluted with water at a ratio of 1:2 by volume (1 part NASA Bond 200 to 2 parts water).
- 1.3 Concrete and cement based substrates must be sufficiently cured and stable.
- 1.4 Do not place tiles over expansion and contraction joints. Joints should be filled with suitable flexible sealant.

2.0 Mixing

- 2.1 To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- 2.2 5.00 - 5.40 litre of clean water for each 20 kg bag or (water/powder ratio of 0.25 - 0.27 by weight) should be added to a clean container.



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- 2.3 The powder is then added slowly to the water while mixing continuously at low speed (400 - 600 rpm).
- 2.4 Mixing time should be continued for 3 minutes until a uniform consistency mixture is obtained.
- 2.5 Wait for 2 - 3 minutes, and then remix for additional 1 minute without adding any water.

3.0 Application

- 3.1 Apply a thin layer of the adhesive onto the substrate using the flat edge of the trowel.
- 3.2 Comb the adhesive with a suitable notched trowel horizontally to achieve a thickness of 2 - 5 mm.
- 3.3 Place the tiles firmly over the applied area to ensure proper contact with the adhesive.

Notes:

- *Work in a manageable area that can be tiled within the open wet time of adhesive.*
- *Leave the tiled surfaces for 24 hours before grouting.*

4.0 Cleaning

- 4.1 All tools must be cleaned **immediately** after application with fresh clean water. Hardened materials should be cleaned mechanically.



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Section C: Approval and variations

This method statement is offered by Apollo for construction chemical as a 'standard proposal' for the application of **Pluto Fix**. 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 Apollo for construction chemical for approval, in writing, prior to commencement of any work. Apollo for construction chemical will not accept responsibility or liability for variations to the above method statement under any other condition.