



شركة أبولو لكيمائيات الأبنية

Apollo For Construction Chemicals

APOLLO FIX AAC Method Statement (Lightweight block thin laying cementitious mortar with water resistance)

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>Equipment</i> | : | <i>Mechanically powered mixer</i> |
| | : | <i>mixing container</i> |
| | : | <i>Notch trowel</i> |
| | : | <i>Tile spacer and suction cup</i> |

Section B: Application

1.0 Preparation

- 1.1 All used blocks must be checked to be clean and free from oil or any loose materials.
- 1.2 It is recommended to wet the used blocks before the application of the adhesive, especially in hot and dry conditions.
- 1.3 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).
- 1.4 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.



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- 2.2 5.0 - 5.4 liters of clean water for each 25 kg bag should be added to a clean container.
- 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 and free of lumps 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 should be cleaned **immediately** after use with fresh clean water. Hardened materials should be cleaned mechanically.

Section C: Approval and variations

This method statement is offered by Apollo for construction chemical as a 'standard proposal' for the application of **APOLLO FIX AAC**. 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.