



# شركة أبولو لكيمائيات الأبنية Apollo For Construction Chemicals

## Apollo Grout 13 plus Method Statement (High performance and water repellent cementitious tile grout for joints up to 8 mm in wet and submerged areas)

### Section A: General Comments

#### General

- (i) Apollo Grout 13 plus can be applied for joint widths up to 8 mm.
- (ii) Apollo Grout 13 plus shall be used when the ambient temperature above 5°C. At high temperatures that exceed 35°C, the following instruction shall be followed:
  - Store unmixed materials in a cool temperature, avoiding exposure to direct sunlight.
  - Keep equipment cool, arranging shade protection if necessary.
  - Plan for enough material, tools and labours to avoid any stop while the application process.
  - Avoid application through peak temperatures of the day.

#### 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>Slow speed mixer fitted with mixing paddle</i>
	:	<i>Clean empty drum (10 litre)</i>
	:	<i>Stainless steel spatula OR rubber float</i>
	:	<i>Sponge</i>
	:	<i>Dry cloths</i>

### Section B: Application

#### 1.0 Preparation

- 1.1 Ensure that the adhesive has completely dried and hardened. Adhesive should be left for 24 hours before applying the grout, unless rapid setting adhesive is used.



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- 1.2 All tiles and joints must be clean and free from oil, grease or loose materials.
- 1.3 Remove the tile spacers and ensure that the grout joints are uniform and their widths do not exceed 8mm to avoid slumping.
- 2.0 **Mixing**
  - 2.1 To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
  - 2.2 1.65 - 1.75 litre of clean water for each 5 kg bag should be added to a clean container. The powder is then added slowly to the liquid while mixing continuously at low speed (400 - 600 rpm).
  - 2.3 Mixing time should be continued for 3 minutes until a uniform consistency and free of lumps mixture is obtained.
  - 2.4 Allow a slake time for 5 minutes, and then remix for additional 1 minute.
- 3.0 **Application**
  - 3.1 Using appropriate spatula or rubber float, fill with pressure the joints completely with Apollo Grout 13 plus .
  - 3.2 **Immediately** remove the excess grout by moving the spatula or the edge of the rubber float diagonally to the tiles.
  - 3.3 When the grout starts to set (usually 20 - 30 minutes at normal conditions), use a damp sponge in a circular motion to remove the excess grout and level the joints.
  - 3.4 After drying, clean the tiles surface using a dry cloth.
- 4.0 **Cleaning**
  - 4.1 All tools should be cleaned **immediately** after use 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 **Apollo Grout 13 plus**. 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.