



شركة أبولو لكيمائيات الأبنية Apollo For Construction Chemicals

Apollo Bituproof RBE 520 Method Statement (Bitumen based elastomeric rubberized bitumen waterproofing coating)

Section A: General Comments

High temperature working

It is suggested that, for temperatures above 30°C, the following guidelines are adopted as good working practice:

- (i) Unmixed materials and equipment should be stored in cool place and away from direct sunlight.
- (ii) Plan for enough material, tools and labors to avoid any stoppage during the application process.
- (iii) Avoid application through peak temperatures of the day.
- (iv) Ensure proper and adequate ventilation.

Equipment

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

Protective clothing: *Protective overalls, thick gloves, goggles and face mask*

Preparation equipment: *Stiff wire brush, soft brush, air compressor*

Application equipment: *Brush, roller or squeegee*

Section B: Application

1.0 Surface Preparation

- 1.1 All surfaces to be waterproofed must be clean, sound, dry and free of all surface contaminations such as form release agents, curing compounds, laitance, dust, dirt, cavities, projecting nibs, etc. laitance should be removed from concrete by grit blasting or wire brushing.
- 1.2 Ensure the substrate surface is dry, smooth, and any surface imperfections repaired with a suitable cementations repair mortar.



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- 1.3 30 mm by 30 mm or “less” polymer modified sand/cement screed fillet should be applied at all right angle corners and any pipe/drain penetrations.
- 1.4 Priming is not normally required on good quality substrates. However, if primer is required, dilute Apollo Bituproof RBE 520 with cold, fresh & clean water at dilution ratio of 15 – 20% of fresh and clean water and apply by brush and allow 3 - 5 hours to touch dry.

2.0 Application

- 2.1 Mix materials well before use.
- 2.2 Using a suitable brush, apply first coat at the rate of 0.75 - 1.10 liter/m².
- 2.3 While first coat is still wet, all right angle corners and pipes/drain penetrations shall be reinforced with 20 cm wide fiber glass mesh (60 g/m² or more) and allow to dry.
- 2.4 Apply second coat after 4 – 6 hours at the same rate mentioned in 2.2 at right angle and allow to dry.

3.0 Curing and Protection

- 3.1 Apollo Bituproof RBE 520 must be cured overnight before any subsequent works.

4.0 Limitations

- 4.1 Store away from direct sunlight and protect from freezing.

5.0 Cleaning

- 5.1 Tools and equipment can be cleaned with water when it is wet, dried Apollo Bituproof RBE 520 may be removed with Apollo solvent.



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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 Bituproof RBE 520**. 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.