



METHOD STATEMENT

Sikacrete® -114

DATE, : 06/2016

VERSION NO.01

SIKA EGYPT

ENG. ASHRAF ELZINY

TECHNICAL DEPARTMENT

Scope: Sikacrete[®] -114 is a one component, free-flowing, high strength, cement based micro-concrete with a maximum aggregate size of 10mm. Suitable for use in tropical and hot climatic conditions.

1. Preliminary Works and surface preparation

1.1 Concrete surfaces should be clean, sound and free from oil, grease, cement laitance and all loosely adhering particles.

1.2 Absorbent surfaces should be saturated thoroughly. Metal surfaces (iron and steel) should be free from scale, rust, oil and grease.

2. Mixing

2.1 Add 2.0 – 2.10 liter water for 20 kg powder

2.2 **Sikacretet[®] 114** must be mechanically mixed using a forced action mixer or in a clean drum using a drill and paddle (max. 500 rpm).



2.3 Mixing Tools



Collomix CK

3. Application

- 2.1 The minimum thickness is 50 mm. per pour (100 mm. for base plate grouting) & the maximum thickness is 500 mm. per pour.
- 2.2 The application of a suitable bonding agent, such as *Sikadur-32* or *SikaTop Armatec 110 EpoCem*, will improve adhesion on large areas or where particularly dense concrete substrates are involved.
- 2.2 Dampen the surface thoroughly with clean water prior to the application.
- 2.3 Before pouring, however, let the mixed grout stand for 2 - 3 minutes after mixing with water to allow entrapped air to escape.
- 2.4 Maintain sufficient hydrostatic head to keep the product flowing. Provide channels for the air to escape during grouting. Protect from rain until initial set has been achieved.

4. Curing

Treat exposed surfaces with *Antisol* Curing Compound or use other approved curing methods such as polyethylene sheeting or wet hessian. (Do not commence fogging until final set has been reached).

5. Notes:

- 4.1 Ensure formwork is secure and watertight to prevent movement and leaking during placing and curing.
- 4.2 At high temperatures use chilled water for mixing to keep grout temperature below 30°C.
- 4.3 In hot weather, base plates and foundations must be shaded from direct sunlight. Condition bags prior to use

For any further clarification don't hesitate to contact Sika Egypt Technical Department.

Technical Department

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