



METHOD STATEMENT

SIKALASTIC®-680 AP

SIKA LIMITED (VIETNAM)

BUILDING TRUST



1 SCOPE

This method statement describes the step by step application of 1-component component, liquid applied, highly elastic polyurethane waterproofing membrane.

2 PRODUCTS DESCRIPTION

Sikalastic®-680 AP is a single component, liquid applied polyurethane waterproofing membrane for concrete structures that will be covered by protective toppings. Sikalastic®-680 AP is flexible and provides a continuous seamless waterproofing membrane for a wide range of applications.

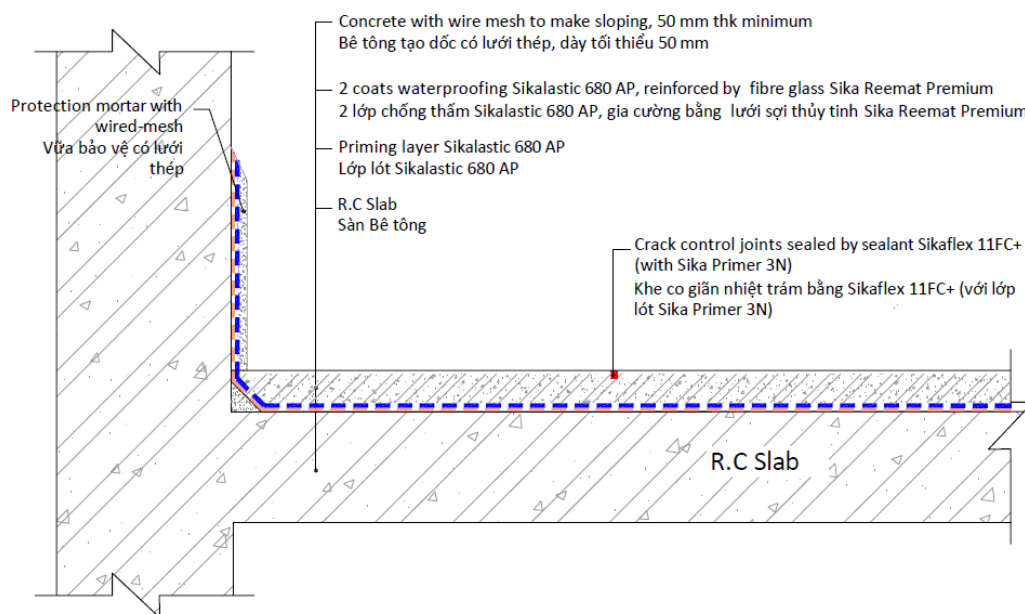
Uses

- As waterproofing membrane on roofs, podiums, balconies, tanks (external) and planters
- As waterproofing coat for external wall, basements and foundations
- As water barrier under plasters, screeds or tiles

Characteristics/ Advantages

- Excellent adhesion on concrete, render and masonry
- High crack bridging ability
- Good impact and abrasion resistance
- Good chemical resistance
- Non-toxic
- Easy to use and quick drying

3 SYSTEM BUILD-UP



Typical system build-up

4 APPLICATION

4.1 Substrate preparation

- All substrates must be structurally sound, stable, dry and clean (compressive strength: min. 25 N/mm² and cohesive strength: min. 1.5 N/mm²). Smooth shiny surfaces are to be roughened while uneven surface to be leveled or filled first.
- All surfaces should be free of sharp protruding, loose materials, de-bonded coatings, curing membranes, release agents, wax residues, laitance, algae and moss, oils, dust, etc.
- Structurally unsound layers and surface contaminants are to be mechanically removed by abrasive blasting, blast tracking, grinding or equivalent methods.
- Cracks and faulty joints should be repaired.

4.2 Application of Sikalastic®-680 AP

- **Priming**

On very absorbent surfaces, a primer coat (dilute Sikalastic®-680 AP with 5% Thinner C) should be applied on the concrete surface prior to the application of waterproofing membrane.

Care should be taken to ensure the required membrane final dry film thickness is achieved.

- **Coating**

Sikalastic®-680 AP can be applied by brush, roller, trowel, squeegee or airless spray directly onto the treated substrate. Apply subsequent coats at different directions to the previous coat.

Before applying any coating, the previous coat must be touch dry.

Subsequent coats should be applied within a max. period of 24 hours.

The finished membrane should be protected from damage by other trades.



Stirring material before application



Application at detail areas first (corner, up-stand, etc.)



Application of primer, 1st coat and 2nd coat Sikalastic®-680 AP by brush or roller



Ponding test before application of protection layer

4.3 Protection layer work

When waterproofing work finished and membrane full cure, apply protection layer.

4.4 Notes on Application / Limitations

- Not to be used as trafficable top coat
- Do not apply at ambient and substrate temperatures less than 5°C
- Do not apply directly to wet and damp surface
- Do not thin with water or other solvents
- Do not apply to areas when rain is imminent

- Ensure adequate ventilation during application
- Allow 3 days (@25°C & RH 75%) drying period before flood test on treated area. For situations of low temperature or high humidity, prolonged drying time is inevitable.
- For damp substrate (not fully cured), a moisture barrier coat should be applied prior to the application of Sikalastic®-680 AP
- For bitumen and asphalt surface, a barrier primer should be applied

Please refer to relevant PDS for more information.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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 Date: 09/2018