METHOD STATEMENT
Sika Raintite

10 / 2014

VIRSION NO. 1

SIKA EGYPT

TECHNICAL DEPATEMENT

ENG. ASHRAF ELZINY

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1 SCOPE

This method statement describes the step by step procedure for waterproofinging concrete structures roofing system using the Sika Raintite® and Fiber mesh products.

2 SYSTEM DESCRIPTION

 Sika Raintite® is a high flexible acrylic emulsion liquid applied, to offer a simple description method for waterproofing and vapor proofing for many applications

USES

- Floors, under or above screeds to provide a damp proof membrane.
- Roofs, as the main waterproofing on concrete or existing tiles.
- Bathrooms and wet areas.
- Food processing areas.
- Balconies, flower boxes.

CHARACTERISTICS/ ADVANTAGES

- Single pack system.
- Water based compounds that can be applied even to damp backgrounds.
- High flexibility, extensibility and good crack bridging properties.
- Nontoxic, non-hazardous, solvent and plasticizer free.
- Quick drying. Typically touch dry in 1 hour.
- Good bonding to many substrates such as concrete, Blaster, brick and steel.

LIMITATIONS

- Minimum substrat temperature : + 7 °C
- Waiting times between coats: minimum 1 hour and maximum 24 hours.
- To minimise the risk of blistering, avoid application of product in or shortly prior to strong sunlight.
- Fibre fabric reinforcement recommended is 0.50 mm made from polypropylene or polyester.
- Final drying 6-7 days

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3 SURFACE PREPARATION

- Cementitious or mineral-based substrates must be mechanically prepared using abrasive blast-cleaning
or scarifying equipment to remove cement laitance and achieve an open-textured surface.

- Loose friable material and weak concrete must be completely removed and surface defects
such as blowholes and voids must be fully exposed. Any tiles must be firmly adhered to the substrate, otherwise they must be removed.

- Repairs to the substrate, filling of joints, blowholes/voids and surface levelling must be carried out using appropriate products.

- Substrate must be dry and cleaned from all contamination such as dust, dirt, moss, oil, grease or coatings which could hinder adhesion. Clean preferably by brush and/or vacuum.

3.1 SYSTEM BUILD-UPS

Step 1
Apply Sika Raintite® diluted with 10% water by brush or roller.(primer coat)

Step 2
Apply a generous coat of Sika Raintite® into the primer coat. (base coat)

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Step 3 (case of large area)

Immediately embed the fibre mesh into the base coat while it is still wet. Insure that the fibre mesh is thoroughly embedded and smooth out all air buckets. Overlaps of adjacent membrane must be of minimum of 50 mm.

Step 4

When touch dry, apply a final topcoat mixed with Sikadur 508 (10 –15 % by weight) to complete the application. Broadcast Sikadur® 508 on the wet top coat to protect the applied surface during tilling application.

Step 5

Tiling system

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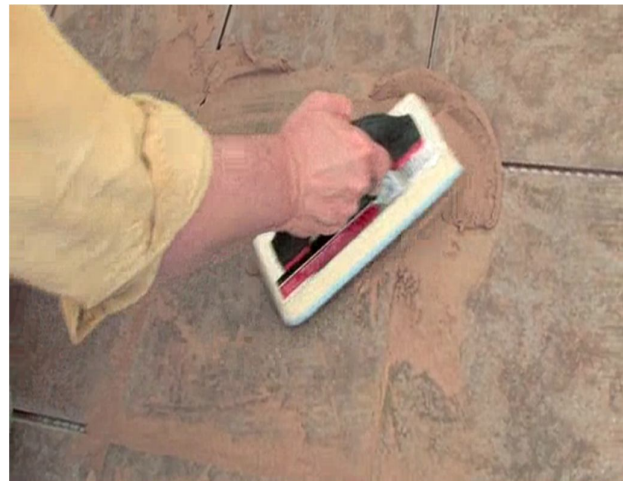e.g. template for local adaption

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Step 6
Tiling Grout

1. Mixing

1.1 The recommended homogenous, smooth paste consists of
1.0 – 1.20 liters water to 4.0 kg. powder.

1.2 Mix well with a hand trowel.

1.3 For large volume mixing. A slow speed drill is recommended.

2. Application

2.1 Apply Sika Tile Grout® to the space between using a sponge or piece of soft cloth.

2.2 Work the paste into the joints and around edges.

2.3 Remove surplus grout from the face of the tile using dry cloth.

2.4 When the grout is completed, polish tiles with dry cloth.

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