

SPECIFICATION

INSTALLATION OF SIKA TILING SYSTEM PRODUCTS FOR THE WATERPROOFING AND TILING OF AQUAMOX SHOWER BASE

PRODUCTS:

Sika Primer-11 W
Eco Prime WB
Aquablok SBR & WPU
Sikalastic-220 W
SikaSeal Tape
SikaCeram-255 StarFlex
Prohesive Promaxset Plus
SikaCeram CleanGrout
SikaCeram StarGrout
Sikasil Color

Always refer to the most current product data sheet(s) available at the date of this specification.

1 General

- 1.1 This technical specification is to be read in conjunction with the project Contract Documents and Specification.
- 1.2 All works should be carried out in line with the BRANZ good tiling practice.
- 1.3 Expansion and construction joints are to be placed as required by the code and the good tiling practice.
- 1.4 All work to be carried out in accordance with the current Sika (NZ) Ltd data sheets.

2. Surface Preparation

- 2.1 All structural building components must comply with the New Zealand Building Code and relevant New Zealand standards including NZS 3604, NZS 3603, NZS 3403 and E2/AS1.
- 2.2 All dust, dirt and other contaminants must be removed before priming with Sika Primer-11 W.

3. Weather

- 3.1 Apply only in fair weather with ambient and substrate temperature above 5°C and below 30°C.

4. Priming

- 4.1 Cementitious substrates shall be primed with **Sika Primer-11 W or Eco Prime WB**, strictly in accordance with the technical data sheet.

5. Reinforcement

- 5.1 All joints shall be reinforced with **SikaSeal Tapes**.

6. Application

Application of primers/sealers, undertile membranes, waterproofing, adhesives, grouts and sealants to comply with SikaCeram® technical data sheets and application details for specific products.

- 6.1 All perimeters and corners (both internal and external) shall have **SikaSeal Tapes** applied prior to waterproofing with **Sikalastic-220 W or Aquablok SBR/WPU**.

Waterproofing

- 6.2 **Apply Sikalastic-220 W/152 or Aquablok SBR /WPU** over two coats ensuring that each coat is a minimum thickness as per datasheets. Once the first coat has dried apply the second coat in the opposite direction to the first coat.
The Main Contractor and Applicator shall jointly inspect the membrane for damage incurred so that repairs can be made as necessary before any tiles are laid.

Tiling

- 6.3 The tiles are to be adhered using **SikaCeram-255 StarFlex**, which is applied using a notched trowel. SikaCeram-255 StarFlex is a single component tile adhesive, with a C2TE S1 rating suitable for swimming pools as per EN12004 and EN12002. Sufficient product should be used to ensure complete wetting of the tiles. Tiling must be carried out on wet adhesive, exerting an adequate pressure to

ensure contact with the adhesive. If a surface film forms on the adhesive, it is necessary to re-trowel the adhesive ensuring there is no skinning. Do not wet skinned adhesive with water.

- 6.4 The tiles are to be adhered using **Prohesive Promaxset**, which is applied using a notched trowel. Prohesive Promaxset is a single component tile adhesive, with a C2TES1 rating. Sufficient product should be used to ensure complete wetting of the tiles. Tiling must be carried out on wet adhesive, exerting an adequate pressure to ensure contact with the adhesive. If a surface film forms on the adhesive, it is necessary to re-trowel the adhesive ensuring there is no skinning. Do not wet skinned adhesive with water.

Grout

- 6.5 Once the tile adhesive has cured the tiles are to be grouted using **Sika Ceram CleanGrout**. Prior to grouting, all joints should be free of contaminants, dust and water. Apply grout in accordance with the instructions contained in the technical data sheet.
- 6.6 **SikaCeram StarGrout**. Ensure all grout joints are clean and free of water before applying SikaCeram EpoxyGrout. Apply SikaCeram StarGrout with a suitable grouting trowel, taking care to fill all joints completely. Remove excess grout, allow to dry (Refer to Sika Technical Data Sheet). Clean taking good care to remove all excess grout and haze from the tile.

Silicone

- 6.7 All perimeters and expansion joints are to be sealed with **Sikasil Colour** silicone sealant. Ensure all dust, water and contaminants are removed prior to sealing. Refer to current Sika technical data sheet for application methods.

7. Protection

- 7.1 All products must be protected from water until fully cured.
- 7.2 All finished work should be protected from construction traffic to avoid damage and cleaning.

8. Completion

- 8.1 Clean up as the work proceeds and leave all work areas to the standard required for following trades.
- 8.2 Remove all debris, unused materials and components from the site.

Note: This outline procedure details the key components of the work required. For specific details regarding surface preparation, mixing of the products and application, refer to the product data sheet.