

SPECIFICATION

INSTALLATION OF POOL COPING TILES

PROJECT NAME:

PROJECT LOCATION:

SCOPE OF WORK:

SPECIFICATION DATE:

SPECIFICATION NO.:

PRODUCTS:

- Sikafloor®-01 Primer
- Sikadur®-31
- SikaCeram®-690 Elite
- SikaCeram®-880 easy epoxy
- Sikasil® Pool

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 work to be carried out in accordance with **AS/NZ standard 3958: 2023** installation of ceramic and stone tiles, 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
- 2.2 All concrete floors should be ground to ensure all contaminants are removed prior to priming or waterproofing.

2.3 All dust; dirt and other contaminants must be removed before priming.

3. Weather

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

4. Priming

4.1 Cementitious substrates shall be primed with Sikafloor -01 Primer, strictly in accordance with the technical data sheet.

5. Application

5.1 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 Installation - Reference Image on Page 3

6.1 Stainless support angles

Remove surface contaminants (oil, grease, oxides) Abrade stainless, with abrasive sandpaper (80–180 grit typical for prep) apply Sikadur®31 Normal to stainless and pool copings and press firmly into place.

6.2 Fibre glass

Abrade bonding area using 80–120 grit sandpaper to create a mechanical key. Ensure a uniform dull/matte finish (no glossy gelcoat remaining Coping tile-Ensure underside is clean, dry, and free of dust or laitance. Mix Sikadur-31 Part A and Part B in the manufacturer's specified ratio. Mix thoroughly until a uniform colour is achieved. Only mix quantities that can be used within the product's pot life, allow adhesive to cure as per manufacturer's recommendations, Full adhesive coverage to be achieved (no voids).

6.3 Concrete

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 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 get wet skinned adhesive with water.

7 Grout

7.1 Once the tile adhesive has been cured the tiles are to be grouted using **SikaCeram -690 Elite** or **SikaCeram-880 Easy Epoxy**, modified with SikaCeram LatexGrout. 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.

8 Silicone

- 8.1 All perimeters, expansion joints and cantilever coping tile bottom edge are to be sealed with **Sikasil pool** silicone sealant. Ensure all dust, water and contaminants are removed prior to sealing. Refer to current Sika technical data sheet for application methods.

9 Protection

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

10 Completion

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

Note: This outlined 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.

