

Technokolla Specification for the Installation of Ceramic or Porcelain Tile to Atlantis Shower Tray



Project Reference:

Site Address:

This Specification is intended for the above listed products and all products must be installed in accordance with this product specification and the Technical Data Sheet (TDS) of the products listed herewith.

1. **ADHESIVE (2 options)**

a. **SKYCOLORS**

SKYCOLORS can be used as an adhesive (class R2 T in accordance with EN 12004) for gluing the materials to fiberglass reinforced plastic. SKYCOLOR is a two-component, acid-resistant, epoxy grout/adhesive.

b. **SKYCOLORS EVOLUTION**

SKYCOLORS EVOLUTION can be used as an adhesive (class R2 T in accordance with EN 12004) for gluing materials to fiberglass reinforced plastic. SKYCOLOR EVOLUTION is a two-component, acid-resistant, epoxy grout/adhesive.

2. **GROUT (3 options)**

c. **TECHNOCOLORS**

CG2WA class grout in compliance with EN 13888 Standards. Cement-based grouting for 1 to 8 mm joints, with fine finish and bright colour. Microshield system provides active protection that helps to prevent the growth of bacteria, fungi, and mould, which can cause stains and deterioration of the grouting. Highly sanitising.

d. **SKYCOLORS**

RGRT2 class grout in compliance with EN 13888 Standards. Consists of two components containing epoxy resins, quartz charges and specific additives.

e. **SKYCOLOR EVOLUTION**

RGRT2 class grout in compliance with EN 13888 Standards. Consists of two components based on epoxy resins, mineral charges, and specific additives.

3. **SILICONE**

a. **ACESIL-310**

Highly elastic, good weather and ageing resistance, UV resistant, all colours have fungicide treatment and Optimum workability.

The information in this Specification is consistent with the information given in the Product Technical Data Sheets (TDS). If further information is required, SURTEC recommends referring to the Product TDS, or seeking advice from TRADE SUPPLIES LIMITED.

The information given in this Specification relating to the application and use of Technokolla products is given in good faith based on SURTEC's current knowledge and experience of the product when appropriately stored, handled, and applied under recommended conditions as per the information in the Product TDS. In practice, the difference in application conditions, substrates, materials, and site environments are such that no guarantee in respect of consumption or fit for a particular purpose can be concluded either from the information given in this specification, or any other written or verbal recommendations. The Applicator of the product must assess the substrate and the product's suitability for the intended application and final service provision of the product or product system.

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- a. **PRIMER-101**
Consists of epoxy resins in watery dispersion and specific additives priming joints prior to the installation SKYCOLORS or SKYCOLORS EVOLUTION.

4. **Deflection Criteria**
 - a. It is essential that the deflection criteria for both the substrate and the supporting structure or framing are met to a maximum of L over 360 under live or dead loading. As per BRANZ Good Practice Guide to Tiling Section 2.12.

5. **Tolerances**
 - a. Maximum variation in the plane of the substrate should be no greater than ± 4 mm in 2 lm as per BRANZ Good Practice Guide to Tiling Section 2.13.

6. **Atlantis Shower Base Substrate**
 - a. The substrate must be dry and free of all dust, oil, wax, paint, epoxy coatings, or other surface contaminants before the commencement of the tile installation.

 - b. The Atlantis Shower Base must be fixed in strict accordance with the manufacturer's installation instructions and be approved by the manufacturer for its intended end use.

 - c. The Atlantis Shower Base should then be sanded down with a 60 – 80 grit sandpaper, washed down and left to dry before tile installation commences.

7. **Installation**
 - a. Upon suitable preparation of the substrate, installation of the tile can be carried out using SKYCOLORS or SKYCOLORS EVOLUTION

 - b. Depending on the type of tile being used, an 8 or 10mm V notched trowel is the recommended size for larger tiles. A 3 to 6mm notched trowel is the recommended size for smaller size tiles or mosaics when SKYCOLORS or SKYCOLORS EVOLUTION is used.

 - c. A 100% contact of the adhesive bed to the tile is required as per the BRANZ Good Practice Guide to Tiling, Section 10.11.10.

 - d. Do not use a primer prior to tiling.

 - e. It is recommended that the adhesive used be allowed to fully cure for three days prior to grouting.

8. **Grouting**
 - a. Upon satisfactory curing of the adhesive, grouting can be commenced using TECHNOCOLORS at a minimum of 1mm joint width or SKYCOLORS or SKYCOLORS EVOLUTION at a minimum width of 1mm.

9. **Movement Joints**
 - a. In general, a minimum 5mm movement or control joint must be installed at the perimeter of all tiled areas, where the tile surface abuts another material, at changes of plane, where joints exist in the substrate and at maximum centres of 3.6 lm in each direction.

 - b. Notwithstanding this discussion with structural engineers is essential to address the elements pertinent to the individual situation, ensuring the correct installation of movement and construction joints.

 - c. Installation of the silicone sealant is to be carried out using TECHNOKOLLA ACESIL-310. Joints

are to be primed using PRIMER 101. before the installation of TECHNOKOLLA ACESIL-310.

10. Warranty

- a. TRADE SUPPLIES LIMITED provides product warranties, if the products are installed in accordance with the products Technical Data Sheet (TDS) plans, specifications, and complies with the relevant provisions of the [New Zealand Building Code](#).
- b. TRADE SUPPLIES LIMITED warrants that the product/s when prepared and applied in accordance with the TDS will have the properties and characteristics set out in the TDS and will retain these properties and characteristics for the duration of the listed Warranty Period.
- c. The Applicator of a TECHNOKOLLA product is not an agent or employee of TRADE SUPPLIES LIMITED and therefore TRADE SUPPLIES LIMITED takes no responsibility and assumes no liability for their workmanship.
- d. The applicator of the product must assess the substrate and the product/s suitability for the intended application and final service provision of the product.
- e. TRADE SUPPLIES LIMITED warranties **do not** cover installation, workmanship or product mixing and preparation aspects which is the sole responsibility of the applicator who is not an officer, agent, servant, or employee of TRADE SUPPLIES LIMITED.
- f. It is the sole responsibility of the product applicator to store the product/s, prepare the substrate, prepare, mix, and apply the product/s in accordance with the product/s TDS.
- g. Information given relating to the application and use of TECHNOKOLLA products is given in good faith based on SURTEC's current knowledge and experience of its products when they are appropriately stored, handled, and applied under recommended conditions according to the information in the product/s TDS.
- h. A full list of all product warranty terms and conditions is available upon request.

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