

PRODUCT DATA SHEET

SCHÖNOX® CF DESIGN

A PREMIUM 2 PART EPOXY TILE GROUT AND TILE ADHESIVE

DESCRIPTION

A premium high performance 2 part epoxy grout suitable for demanding grout installations that require chemical protection. Suitable for joint widths 1-10mm and both wall and floor applications.

SCHÖNOX® CF DESIGN can also be used as a chemical resistant thin bed tile adhesive for demanding applications.

USES

For uses as a thin bed tile adhesive and grout in demanding applications such as;

- Commercial kitchens
- Cold rooms
- Car washes
- Chemical laboratories
- Warehouses
- Breweries
- for general application that require chemical protection
- for applications that require maximum stain resistance

Typical substrates for use as a tile adhesive include;

- Concrete
- Screeds
- Cement boards and sheets
- Plasterboard
- Prepared Steel substrates
- Existing tile & stone

Suitable tile types for grouting applications include;

- Ceramic
- Porcelain
- Quarry tiles
- Natural Stone
- Glass mosaics

CHARACTERISTICS / ADVANTAGES

- Easy to clean
- Highly stain resistant
- Easy to use - cold water wash
- High chemical resistance
- Frost resistant
- Exceptional bond strength
- Suitable for pools, and submerged applications including sea water
- Internal & external and submerged use
- Suitable for steam saunas or showers

PRODUCT INFORMATION

Product declaration

Tile Adhesive: R2 Classification according to EN 12001

Tile Grout: RG Classification according to EN 13888

Packaging

5kg Kit

Part A resin - 4.738kg

Part B Hardener - 0.262kg

Shelf life

2 Years from date of manufacture.

Storage conditions	Store in dry cool conditions out of direct sunlight.
Appearance and colour	Available Colours: White, Silver Grey, Grey, & Anthracite
Volatile organic compound (VOC) content	GEM-EMICODE EC1PLUS

APPLICATION INFORMATION

Consumption	<p>Estimated coverage when used as a tile adhesive. 4 Mm notched trowel: 2.2kg per m² 6mm notched trowel: 3kg per m² 8mm notched trowel 3.6kg per m²</p> <p>Estimated coverage when used as a tile grout. 0.3 - 3.2kg per m² depending on the size and depth of the grout joint.</p>
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Pot Life	40 minutes at 20°C
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Applied product ready for use	Application	Ready for use
	Ready for foot traffic	16 hours
	Pool use - filling pool with water	10 days
	Full chemical resistance	7 days

Figures are estimates only and will be subject to variation due to factors beyond our control such as climate, and application conditions.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Always test stones that are subject to moisture sensitivity prior to use.
- For best results use at temperatures between 15°C and 30°C.
- For applications in cold climate conditions warm the area with heaters and materials can be warmed with heat packs prior to use.
- Avoid applications in hot temperatures in direct sunlight.
- Tiling applications shall be conducted in accordance to AS 3958.1

ECOLOGY, HEALTH AND SAFETY

EQUIPMENT

- Personal protective equipment safety glasses & gloves
- Epoxy grout float
- Hydro Sponge
- Mixing pails
- Mixing drill (low speed max 300 rpm)

SURFACE PREPARATION

Requirements of substrate when used as a tile adhesive:

- Ensure all substrates are structural sound and meet relevant deflection standards for tile and stone applications.
- Ensure substrates are free from dirt, debris, dusts, oil,

grease, wax, release agents, curing compounds or any other contaminating material.

- Substrates shall be adequately cured prior to application
- Substrates shall have a moisture content reading 2.0 CM-%

MIXING

1. Thoroughly mix the part A resin with the part B hardener until the material is homogenous, and free from streaks with a slow speed mixing drill (max 300 rpm).
2. Re-pot the material and mix again for an additional minute then the product is ready to use.

APPLICATION

Application as a tile adhesive:

- Apply the epoxy mortar with a suitably size notched trowel to ensure coverage requirements are achieved.
- Apply the epoxy mortar with the notched trowel in straight line and avoid swirls.
- Back butter large tiles in accordance with Australian Standard requirements.
- Laid tiles into the fresh mortar and ensure the tile is adequately bedded into the adhesive without voids.
- Clean residual epoxy adhesive out of joints and off the face of the tile with a clean sponge and water prior to the material setting.
- Allow the adhesive to set prior to grouting.

Application as a tile grout:

- Ensure the adhesive is set and dry and joints are free from dust and debris prior to grouting.
- Apply the epoxy grout to joints with an epoxy grout float removing as much residual grout as possible.
- Ensure joints are full, free from voids.
- Allow grout to slightly firm prior to cleaning.
- Wash grout with a sponge and clean water ensure all grout haze is removed. Ensure no standing water is

left of the face of the grout joint.

- Allow the grout to further dry for 1-2 hours and clean again with a sponge and clean water. Ensure no standing water is left on the face of the grout joint.

CLEANING OF EQUIPMENT

Tools may be cleaned with water while the material is still wet. Material that has dried will require mechanical removal.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

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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Product Data Sheet

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