



BUILDING TRUST



PRODUCT DATA SHEET

Davco Epoxy Grout

A 3 PART WATER WASHABLE EPOXY GROUT SYSTEM FOR DEMANDING ENVIRONMENTS

DESCRIPTION

Davco Epoxy Grout is a 3 Part epoxy grout system consisting of Davco Epoxy Grout Resin - Part A, Davco Epoxy Grout Hardener Part B, Part C (sold separately), SikaCeram 690 Elite tile grout, Davco Sanitized Colorgrout, or Davco Slate & Quarry grout.

- When mixed with Davco Sanitized Colorgrout Davco Epoxy Grout its suitable for joints 1-6mm wide.
- When mixed with SikaCeram 690 Elite grout its suitable for joints from 1-10mm wide.
- When mixed with Davco Slate & Quarry Grout Davco Epoxy Grout is suitable for joints 6-12mm wide.

USES

Davco Epoxy Grout is suitable for interior and exterior applications. Commercial walls and floors including dairies, breweries, food processing plants, hospitals, public toilets, commercial laundries and kitchens.

CHARACTERISTICS / ADVANTAGES

- Water washable / can be cleaned up with water whilst it is still wet
- Excellent stain resistance
- High compressive strength
- High chemical resistance

PRODUCT INFORMATION

| | |
|---------------------|--|
| Product Declaration | Class RG as per AS ISO 13007 |
| Packaging | 1.5L kit: 1.5L pail Epoxy Resin (Part A) + 1.5L pail Epoxy Hardener (Part B) Filler / grout colour sold separately. |
| Shelf life | 12 months from date of manufacture if unopened. |
| Storage conditions | Store in dry cool conditions out of direct sunlight. |

TECHNICAL INFORMATION

| | |
|------------------------|----------------------|
| Abrasion resistance | ≤250mm ³ |
| Compressive Strength | ≥30N/mm ² |
| Flexural toughness | ≥30N/mm ² |
| Shrinkage | ≤1.5mm/m |
| Temperature Resistance | -18°C to 80°C |
| Water absorption | ≤0.1g |

APPLICATION INFORMATION

Consumption

Coverage per Kit in m²

The coverage of the grout will vary depending upon the texture, size and thickness of the tile and the width of the grout joint. Use the table below as a general guide:

| Tile Size | 3mm Joint | 5mm Joint | 10mm Joint |
|--------------|------------------|------------------|-------------------|
| 50x50x6mm | 8m ² | 5m ² | |
| 100x100x10mm | 10m ² | 6m ² | 3m ² |
| 150x150x10mm | 15m ² | 9m ² | 4.5m ² |
| 200x100x10mm | 13m ² | 8m ² | 4m ² |
| 300x300x10mm | 30m ² | 18m ² | 9m ² |

Mixing Ratio

Mix 1.5 Ltr of Part A Epoxy Resin & 1.5Ltr Part B Epoxy Hardener with 7.5kg - 8kg of Part C Davco Sanitized Colorgrout, or Davco Elite G10 grout, or Davco Slate & Quarry grout.

Pot Life

1 Hour at 22°C & 50% relative humidity.

Applied Product Ready for Use

| Application | Wait Time |
|----------------------------------|-------------------------------------|
| return to dry area service | 24 hours |
| Return to wet area service | 48 hours |
| Chemical resistance applications | 5-7 days |
| Swimming pools | 10 days prior to filling with water |

All measurements are taken at 22°C and 50% relative humidity. Specifications vary according to site conditions and should be taken as a guide only.

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

- Test the product in an inconspicuous area first.
- Epoxy Grout may yellow over time. White or light coloured grouts may have a yellow tinge.
- Hardened product is very difficult to remove.
- Always test application and clean-up procedures before grouting the entire area.
- Clean-up of anti-slip or textured tiles will be more difficult. Therefore it is advised to test the method of clean-off before attempting to grout the entire tiled area.
- Staining may result on stone, unglazed or porous tiles.
- The product contains sand. Polished or soft glazed tiles may scratch.
- Do not use in movement joints, use an appropriate flexible sealant.
- Not suitable in areas where the grout will be exposed to harsh chemicals such as no rinse enzymatic cleaners.
- Colour will vary from those on grout charts, conduct a test to determine suitability of colour.
- For other uses not mentioned in these instructions, please contact Sika Australia.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

EQUIPMENT

- Appropriate personal protective equipment
- Mixing drill with stirring attachment
- clean sponges
- Mixing buckets
- Non-scratch scouring pads

SUBSTRATE QUALITY / PRE-TREATMENT

- Before commencing grouting, ensure the tile adhesive has set firmly. This usually requires 24 hours with the majority of tile adhesives
- Remove any spacer lugs, rake-out any excess adhesive and any loose or foreign material from the grout joints
- In general, ensure the grout joints are clean.

MIXING

1. It is recommended that the system be prepared using a slow speed electric drill fitted with a suitable mixing paddle. Maintain the following ratios: –1.5 litre of Epoxy Grout Resin (Part A) –1.5 litre of Epoxy Grout Hardener (Part B) –7.5kg or 8kg of Davco Sanitized® ColorgROUT or Davco Slate & Quarry Grout or SikaCeram 690 Elite grout (Part C).
2. Initially add the Epoxy Grout Resin (Part A) to the Epoxy Grout Hardener (Part B) in a clean bucket and mix thoroughly.
3. Ensure Epoxy Grout Resin (Part A) and Epoxy Grout Hardener (Part B) are well combined and mixed.
4. To this mix, while stirring with a mixing paddle attached to a drill, slowly add the grout (Part C). Do not mix by hand.
5. Continue to mix for several minutes until the colour is uniform free of lumps of powder.

APPLICATION

1. Prior to installing the grout wipe over the tiled surface with a semi dry / well wrung out clean sponge. Ensure no ponding water is left in the joints
2. Work the grout into the joints in a diagonal motion using a rubber float or squeegee.
3. Ensure that the grout is worked into the joint and does not sit on top or “bridge” it.
4. Remove excess grout from the surface of the tiles using a diagonal motion.
5. Grout only 2 to 4 square metres at a time before clean up.
6. Use a damp sponge to clean up the remainder of the grout. Rinse the sponge regularly with clean warm water for best results. When sponges become to gummy or sticky discard and replace with a fresh clean sponge.
7. Do not flood the floor with water. Ensure the sponge is kept clean and the water is changed regularly.
8. Remove any excess moisture from the grout joints, to avoid discolouration or colour variations.
9. Allow the grout to dry and cure before exposing to the intended environment.

CLEANING OF TOOLS

Clean tools and equipment with water before the grout dries.

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.

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Product Data Sheet

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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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