

PRODUCT DATA SHEET

Davco[®] Standard Tile Adhesive

Use for standard sized tiles and all porous tiles such as ceramic tiles, ceramic mosaics and baked clay tiles.

DESCRIPTION

Davco[®] Standard Tile Adhesive is an economical thick or thin bed (TTB) cement based tile adhesive. Ideal for laying the following tile types: ceramic tiles, baked clay tiles, quarry and most monocottura tiles onto interior and exterior walls and floors.

USES

For standard sized tiles (up to 60cm x 60cm) and all porous tiles such as ceramic tiles, ceramic mosaics, baked clay tiles and laterite tiles onto rendered concrete.

CHARACTERISTICS / ADVANTAGES

- Can be used for internal and external floors, internal walls (for consulation, depending on tile size)
- Easy to use; just mix with water
- Non-toxic, non-flammable
- Easy mixing and tiling; saves time and cost

PRODUCT INFORMATION

Chemical Base	Cement, selected aggregates
Packaging	25kg bag
Shelf Life	12 months from date of production if stored properly
Storage Conditions	Store properly in unopened and undamaged original sealed containers protected from direct sunlight & moisture at temperatures between +10°C and +35°C.
Colour	Gray

TECHNICAL INFORMATION

Mortar mix design	22% to 24% water to powder						
Tensile Adhesion Strength	28 days by Pull-off test ASTM C1583: ≥ 0.5 MPa (at 24% water-to-powder ratio)						
Consumption	Coverage varies according to surface condition and the buildup required. The following can be used as guide: <table data-bbox="606 1859 1404 1957"> <tr> <td>Using a 4mm x 4mm notched trowel approx.</td> <td>2.5kg/m²</td> </tr> <tr> <td>Using a 6mm x 6mm notched trowel approx.</td> <td>3.5kg/m²</td> </tr> <tr> <td>Using a 10mm x 10mm notched trowel approx.</td> <td>5.0kg/m²</td> </tr> </table>	Using a 4mm x 4mm notched trowel approx.	2.5kg/m ²	Using a 6mm x 6mm notched trowel approx.	3.5kg/m ²	Using a 10mm x 10mm notched trowel approx.	5.0kg/m ²
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Pot Life	1-2 hours
Open Time	20 minutes
Curing Time	24 hours
Fresh mortar density	1.6 - 1.7 kg/L

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.

LIMITATIONS

- Working Temperature Range: 10°C to 35°C
- This product contains cement which may cause dermatitis. It is recommended to use protective gloves and goggles during handling. If skin irritation occurs, seek medical attention promptly.
- No sand, admixtures, hydraulic binders or cement must be added. The adhesive coverage must be uniform and must cover the entire tile thoroughly.

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

SURFACE PREPARATION

All surfaces must be structurally sound, dry, clean and free from oil, grease, wax, and other contaminants. Painted surfaces must be scrubbed/abraded to expose at least 75% of clean surface.

Newly rendered surfaces must be allowed to cure for at least 7 days. Steel trowel finished concrete must be acid-etched or wire brushed prior to tiling. Very porous surfaces should be properly primed.

New concrete must be allowed to cure for 28 days.

MIXING

Add one 25 kg bag of DAVCO Standard Tile Adhesive to approximately 5 to 6 liters of clean water, mixing continuously until a lump-free, creamy consistency is achieved.

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APPLICATION

Allow the mix to stand for 1-2 minutes; remix then use the adhesive. Spread the adhesive onto the substrate using either a 6mm x 6mm notched trowel for wall tiling, or a 10mm x 10mm notched trowel for floor tiling. The choice of trowel should be determined by the size of the tiles, depth of knobs, grooves or ridges on the back of the tile, and the evenness of the substrate.

- A 6mm x 6mm notched trowel is recommended for the mosaic tiles.
- Thicker bed adhesive allow for better contact to the substrate as well as picking up unevenness especially in the case of slates.
- For tiles with deep grooves or ridges, such as slate or lugged backed tiles, the adhesive should be butter coated onto the back of the tiles in addition to being notched-trowelled onto the substrate.
- Do not spread more than 1 m² of adhesive at a time. Ensure that the adhesive is wet when the tiles are laid and tapped into position to ensure positive contact with the adhesive.
- Ensure that there are no voids under the tiles.
- Do not allow the adhesive to skin over prior to tiling.
- Install tiles within the duration of the open time.
- Do not disturb or walk-on tiles within 24 hours, after installation.

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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