

PRODUCT DATA SHEET

Davco® Dustless Heavy Duty Tile Adhesive

High Quality, Thick or Thin bed, Cement-based Tile Adhesive

DESCRIPTION

Davco® Dustless Heavy Duty Tile Adhesive is a cement based tile adhesive that passes the PNS ISO 13007:2014 requirement for type C1T. It is an ideal tile adhesive for low-porous porcelain tiles and can be used in wet areas such as bathrooms and kitchen counters.

USES

Davco® Dustless Heavy Duty Tile Adhesive may only be used by experienced professionals.

Davco® Dustless Heavy Duty Tile Adhesive can be used to lay tiles onto concrete, cement render, block work and rendered brickwork surfaces. Davco® Dustless Heavy Duty Tile Adhesive can be used on walls and floors in both interior and exterior applications. (Consult us on tile sizes)

CHARACTERISTICS / ADVANTAGES

- Easy-to-use, just mix with water
- High bonding strength
- Non-toxic, non-flammable
- Excellent adhesion
- Quick grip

PRODUCT INFORMATION

Chemical Base	Cement, selected aggregates and additives
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 powder

TECHNICAL INFORMATION

Mortar mix design	22% - 24% water-to-powder		
Tensile Adhesion Strength	Days	MPa	PSI
	7	0.5 - 0.8	73 - 116
	28	0.8 - 1.0	116 - 145

(product applied using 24% water-to-powder ratio)

APPLICATION INFORMATION

Mixing Ratio	5-6 L of water per 25kg bag, until a lump free, creamy consistency is achieved
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Consumption	Using 6 mm x 6 mm notched trowel, approx. 6-7 m ² per 25 kg bag Using 10 mm x 10 mm notched trowel, approx. 5-6 m ² per 25 kg bag
Pot Life	1-2 hours
Open Time	20 minutes
Curing Time	24 hours
Fresh mortar density	Approximately 1.55 - 1.68 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.

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

NOTES ON INSTALLATION

- Grouting should preferably be carried out at least 24 hours after the completion of tiling. For best results use Davco® Standard Tile Grout.

SUBSTRATE QUALITY

All surfaces must be structurally sound, dry, clean and free from movement, oil, grease wax, curing compounds and other loose contaminating materials.

- New concrete must be allowed to cure for 28 days.
- Newly rendered surface must be allowed to cure at least 7 days.
- Steel trowel finished surfaces must be acid etched or wire-brushed prior to tiling.
- For old concrete and rendered surfaces, a strong commercial grade detergent or degreaser must be used to clean the surface to be used. Then, thoroughly remove detergent/degreaser with fresh water using high - pressure hose.
- All surfaces must be dry for at least 24 hours prior to tiling (no moisture inside), but the surface must be dampened using a sponge or cloth before application.
- Ensure all release agents are removed from concrete surfaces, especially tilt - up slabs.

MIXING

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

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 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 evenness of the substrate.

- A 6mm x 6mm notched trowel is recommended for mosaic tiles.
- Thicker bed of 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 1m² of adhesive at a time. Ensure that the adhesive is wet when the tiles are laid and tapped into position to ensure that there are no voids under the tiles.
- Install tiles within the duration of the open time.
- Do not disturb or walk-on tiles until they are laid for 24 hours.

LOCAL RESTRICTIONS

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

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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