

PRODUCT DATA SHEET

Davco® TA188

High performance cementitious adhesive with no vertical slip and extend open time for ceramic tiles

DESCRIPTION

Davco® TA188 is a thixotropic, high performance, high adhesion tile adhesive, formulated with cement, selected aggregates, synthetic resins and special additives which improve its workability, water retention and adhesion. Suitable for bonding various types of tiles both indoors and outdoors

USES

- Suitable for paving large specifications of low-water absorption tiles, natural stone, etc.;
- Suitable for concrete, cement mortar, masonry blocks;
- Suitable for indoor and outdoor use in buildings;
- Suitable for dry or wet areas

CHARACTERISTICS / ADVANTAGES

- Strong bonding strength, Class C2
- Thixotropic, Class T
- Extended open time, Class E
- Excellent aging resistance and durability
- Excellent water resistance and heat resistance
- Good flexibility compared with traditional cementitious mortar
- Environmentally Friendly

APPROVALS / STANDARDS

Conforms to EN 12004 C2TE adhesive

PRODUCT INFORMATION

Chemical Base	Modify polymer cement mortar		
Packaging	25 kg/bag		
Colour	Grey		
Shelf Life	12 months		
Storage Conditions	Stored properly in original, unopened and undamaged sealed packaging in cool dry conditions at temperatures between +5 °C to +35 °C. Protect from direct sunlight and frost.		

TECHNICAL INFORMATION

Tensile Adhesion Strength	> 1 MPa	Initial tensile adhesive strength	(EN 12004)
	> 1 MPa	After water immersion	
	> 1 MPa	After heat aging	
	> 1 MPa	After freeze - thaw cycle	
Slip Resistance	≤ 0.5 mm		(EN 12004)

APPLICATION INFORMATION

Mixing Ratio	Add approx. 5.5–6 litres of clean water per 25 kg bag of powder
Consumption	Approx. 1.2 kg powder/m ² /mm (Depend on surface profile & size of notched trowel).
Layer Thickness	≤10mm
Pot Life	Approx. 2 hours

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.

USES

Do not exceed the recommended water dosage. Apply only to sound, prepared substrates. Do not exceed the maximum layer thicknesses. Protect freshly applied material from freezing conditions and rain etc. Do not attempt to dampen the applied adhesive to extend the open time as this interferes with the bond performance.

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Any debris, surface snots, loose material or mould release oil on the application surface must be removed using appropriate means. Thoroughly saturate the substrate with clean, cold water.

MIXING

Place the clean, potable water into the mixing vessel. Slowly add the total contents of Davco® TA188 powder into the mixing vessel. Initially, mix continuously for at least 3 minutes using an electric drill with paddle, until all powder has been wetted out and a uniform homogeneous paste is achieved. Allow the mixture to rest for at least 5 minutes and remix the material for another 1 minute before applying the tile adhesive mixture to the surface. The mixed tile adhesive should be kept in the mixing vessel and protected from direct sunlight. The mixed tile adhesive should be used within 2 hours of initial mixing.

APPLICATION

Use a straight edged plastering trowel to spread the tile adhesive evenly over the surface to be tiled. Apply only as much adhesive as can be covered with tiles while the adhesive remains tacky.

Next, use a notched trowel to comb the applied adhesive and form uniform ribs. Before placing the tiles, check the adhesive for tackiness with your finger. Any adhesive that has lost tack must be removed.

Set the tiles firmly into place, tapping them to ensure full, void free contact with the adhesive. Verify complete adhesive coverage by prising off a tile and inspecting the back.

Allow the adhesive sufficient time to achieve its initial set and hardness, this is when the tiles can no longer be adjusted. Remove all adhesive from the full width and depth of the tile joints. Clean the tile surface with a damp sponge to remove any excess adhesive.

Form movement joints in accordance with BS 5385. For best performance and compatibility, fill movement joints using Sikaflex® Joint Sealant. For maximum durability, compatibility, and protection, we strongly recommend filling tile joints with Davco® Colour Grout. Leaving tile joints unfilled and exposed is not recommended. If "open" joints are required for aesthetic reasons, specific installation guidance must be obtained from the Sika Technical Department.

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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