

PRODUCT DATA SHEET

Davco[®] Davelastic

DESCRIPTION

A concentrated tile adhesive additive designed to increase flexibility, strength and water resistance of cement-based products.

USES

Suitable for interior and exterior applications. Davco[®] Davelastic being an acrylic polymer creates water resistance in mortars, which enables them to be used in wet areas including concrete swimming pools, spas and external façades.

CHARACTERISTICS / ADVANTAGES

- Increases flexibility, strength and water resistance of cement based tile adhesives
- Ideal for submerged, façade and high foot traffic tiling applications
- Use when tiling over existing tiles

PRODUCT INFORMATION

Packaging	Available in a 1Ltr or 5Ltr jerry cans or a 20L pail			
Appearance / Colour	White liquid			
Shelf Life	12 months from date of manufacturer if unopened.			
Storage Conditions	Store in dry cool conditions out of direct sunlight.			
Product Declaration	Tile adhesive	Davelastic	Water	Classification
	Davco SMP EVO (C2TES1)	2.5Ltrs	2.5Ltrs	C2TS2
Volatile organic compound (VOC) content	Low VOC - 1g/L (SCAQMD method 304-91)			
Specific gravity	1.01kg/L			
Recommended Dosage	Davelastic must be diluted with clean, potable water at a ratio of 1 to 1 for use as an additive in cement based tile adhesives. Thoroughly mix the required amount of Davelastic and water together prior to mixing with the adhesive.			

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

- Test product in an inconspicuous area first
It is essential to plan the area to be tiled, with inclusion of movement joints in accordance with the Australian Standard AS3958 "Guide to the Installation of Ceramic Tiles." Failure to do so may result in drummy or lifting tiles. Make sure normal building or surface movement is accommodated by installing movement joints as follows:
 - Over movement joints in the substrate
 - At a junction between different substrate materials
 - At fixtures interrupting the tile surface e.g. columns
 - At internal vertical corners
 - Around the perimeter of the tiling system
 - At a maximum of 4.5m centres, in a grid pattern
 - Movement joints should be kept free from dirt and adhesive droppings
 - All movement joints can be filled with Davco Elite A Silicone or Sika flexible sealant

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 containing physical, ecological, toxicological and other safety related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

- All surfaces must be installed according to manufacturer's instructions and relevant Australian Standard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, sealers, curing compounds, release agents and any other loose or contaminating material. Thoroughly clean old surfaces, or new surfaces that have been treated, prior to tiling
- Deeply contaminated surfaces must be scabbled / abraded to a clean, sound surface; Expose at least 80% of the original substrate of painted surfaces
- Surfaces should be prepared and primed in accordance to the relevant tile adhesive product datasheet

APPLICATION

Tile Adhesive Mix Process

1. Add the required amount of Davco® Davelastic and water mixture into a clean bucket.
2. Slowly add the powder to the liquid while mixing with a mixing paddle attached to a drill. Always add the powder to the liquid. Do not mix by hand. +
3. Continue to mix for several minutes until a creamy consistency is achieved, free of lumps of powder.
4. Allow mixture to stand for 5 minutes, remix then use the adhesive.
 - The tile adhesive should be applied as per the instructions for the adhesive, including all surface preparation Note: Davco® Davelastic will increase the tackiness of the adhesive as well as reduce the pot life, open time and adjustment time.

CLEANING OF TOOLS

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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