

Davco



Product Data Sheet

Davelastic



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

WHERE TO USE

Areas

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.

PRODUCT INFORMATION

VOC Content

Low VOC - 1g/L (SCAQMD method 304-91)



FEATURES & BENEFITS

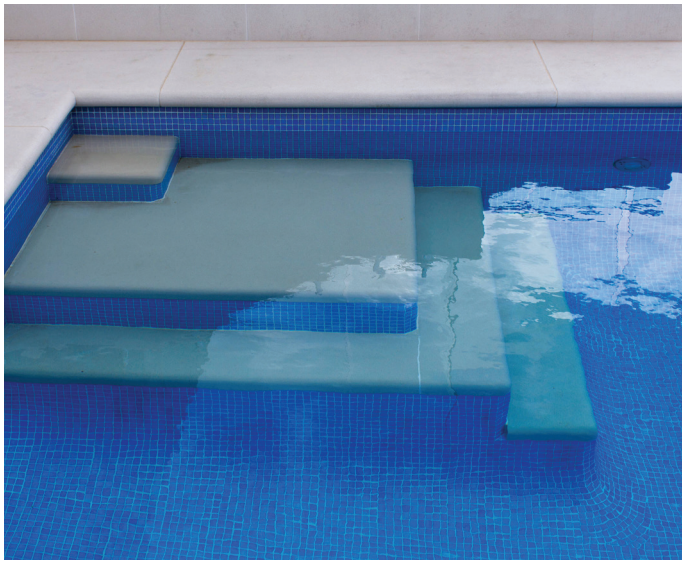
- Increases flexibility, strength and water resistance of cement based tile adhesives
- Ideal for submerged, façade and high foot traffic tiling applications
- Use when tiling over existing tiles

PACKAGING

Available in a 1L or 5L jerry cans or a 20L pail



MADE IN AUSTRALIA



DIRECTIONS FOR USE

- 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 Silicone or polyurethane type fillers
- Select a trowel with an appropriate square-notch size for the size and type of tile, as per the following:

TILE SIZE	TROWEL NOTCH SIZE	BACK BUTTERING REQUIRED
Mosaic tiles	6mm	
150 x 150mm	6mm	
200 x 200mm	8mm	
250 x 250mm	10mm	
300 x 300mm	10mm	
400 x 400mm and over	12mm	✓
Any tile size with uneven back, lugs or grooves	As above, dependent upon tile size	✓
Translucent Tile	As above, dependent upon tile size	✓

SURFACE 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 as per the following:

SUBSTRATE	SPECIFIC REQUIREMENTS	PRIMING
Concrete - wood float finish (rough)	Cured minimum 6 weeks	Prime with Davco PrimeX or Ultraprime
Concrete - steel trowel finish (smooth)	Cured minimum 6 weeks Free of laitance (not flaking)	Prime with Davco PrimeX
Rendered brick / blockwork - wood float finish (rough)	Cured minimum 24 hours Sound (not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Screed - wood float finish (rough)	Cured minimum 24 hours Sound (not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Fibre cement sheet, plasterboard	Correctly and firmly fixed	Prime with Davco PrimeX or Ultraprime
Compressed fibre cement sheet	Correctly and firmly fixed	Prime with Davco PrimeX
Timber floor	Correctly and firmly fixed, free of wax, varnish and paint	Coat with Lanko 184 Flexible Floor Leveller
Existing ceramic tiles (provided tile is not sealed or in a submerged area, such as swimming pools)	Securely bonded existing tiles (not drummy). Wet areas, such as within shower recess area, mix Davco SMP Evo with a diluted Davco Davelastic solution.	Clean only with sugar soap, no priming needed
Other difficult / non absorbent (e.g. metal) / contaminated (e.g. old flooring or tile adhesive)	Where not feasible to remove	Prime with Davco Ultrabond (See Ultrabond Technical Data sheet)
Under-tile heating	Correctly installed with level surface for tiling over	As appropriate for material

MIX PREPARATION

Additive Mix Process

- 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 as outlined below:

TILE ADHESIVE	DAVELASTIC	WATER	CLASSIFICATION
Davco SMP Evo (C2S1TE) 20kg	2.5L	2.5L	C2S2T
Davco SE-7 (C1E) 20kg	3.0L	3.0L	C2S1
Davco Dribond Off White (C1) 20kg	2.5L	2.5L	C1S1
Davco Super TTB (C1) 20kg	2.5L	2.5L	C1S1

Tile Adhesive Mix Process

1. Add the required amount of 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.

APPLICATION

Tiling

- The tile adhesive should be applied as per the instructions for the adhesive, including all surface preparation

Note: Davelastic will increase the tackiness of the adhesive as well as reduce the pot life, open time and adjustment time

Clean-up & Return to Service

- Clean tools and equipment with water before the adhesive dries

PRECAUTIONS

Safety

- SDS is available from www.parexdavco.com.au
- It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product. If eye contact occurs, rinse with cool water. If ingested get immediate medical assistance
- Keep out of reach of children

Specific

- Davelastic will increase the tackiness of the adhesive as well as reduce the pot life, open time and adjustment time
- For other uses not mentioned in these instructions, please contact ParexGroup

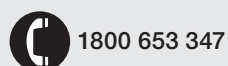
TECHNICAL DATA

TECHNICAL DATA	DAVELASTIC
Appearance	White liquid
Specific gravity	1.01kg/L
Shelf life when stored unopened in elevated, cool, dry location	12 months

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.



ParexGroup products manufactured in Australia are produced in accordance with quality management systems certified as complying with AS/NZS ISO 9001:2008.



ParexGroup reserves the right to inspect any alleged failure at our cost. No responsibility will be accepted unless a representative of ParexGroup is afforded the opportunity to inspect any alleged failure.

