



DAVELASTIC

FLEXIBLE ACRYLIC POLYMER



ECO FRIENDLY



WATER BASED



INCREASE BOND

DESCRIPTION

Davco Davelastic is a specially formulated liquid which contains acrylic resin polymer to strengthen cement based products, cement screeds and render.

USES

- Mix with neat cement as slurry bond coat to fix render or bed tiles over uneven concrete.
- Mix as an additive (in place of water) in conventional cement sand plaster and screed and mortar to increase flexibility and shear bond strength.
- Used in wet areas like swimming pools and spas.
- When added to thin setting adhesive like Davco Dribond Marble ECO for fixing tiles, increases its shear bond strength in excess of 200% above the AS 2358-1990 Standard for Shear Bond Strength.

ADVANTAGES

- Increase water resistance of cement sand screed by more than 50% -100%.
- Increase strength of tile bedding, especially for heavy stones.
- Designed for fixing tiles to external facades
- Suitable for trafficable or heavy duty areas
- Non-toxic and environmentally friendly

TECHINICAL DATA

Appearance	White Liquid
Pot Life (mixed with Davco Dribond Marble ECO)	30 - 40 mins
Open time at 20°C	10 - 15 minutes
Curing time at 20°C	24 hours
Tensile Bond Strength	> 2 MPa
Shear Bond Strength (mixed with Davco Dribond Marble ECO)	> 1.8 MPa (7 days)
Application Temperature	5°C to 45°C

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

SURFACE PREPARATION

- All surface must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and other loose or contaminating materials.
- Painted surfaces must be scabbled / abraded to expose at least 75% of the original substrate.
- New concrete surface must be allowed to cure for at least 6 weeks and woodfloat finish. Rendered surface must be allowed to cure for at least 7 days.
- Expansion joints coinciding with joints in the substrate should be incorporated at the design stage at a maximum of 5 metres spacing and must not be tiled over. Movement joints that are 6mm wide can be filled with Davco Sanitized® Colorfiller 80. Wider movement joints can be filled with polysulphide joint filler.

MIXING & APPLICATION

For general plastering and screeding to received tiles.

To improved bonding and water resistant

Type of Application	Cement : Sand 1 part : 50kg	Davco Davelastic	Consumption
Slurry Bond Coat	(1:1) (1:2)	Uses as Neat	20 litres Neat
Plaster (Base Coat) 5 - 6mm	(1:2)	Dilute with water 1:1	16 - 22 litres of diluted mix
Plaster (Final Coat) 14 - 15mm	(1:3)	Dilute with water 1:1	16 - 22 litres of diluted mix
Screed (Thick Bed) 20mm	(1:3)	Dilute with water 1:1	16 - 22 litres of diluted mix

For general plastering and screeding to received tiles.

For slurry bond coat, dampen the substrate before splashing the mix on. The slurry bond coat should not be more than 2mm thick.

For floor screed with cement : sand ratio of 1 : 3, the amount of water needed can be replaced totally by Davco Davelastic for optimum performance.

Plaster and Render should be applied using a flat trowel and must not exceed 13mm in one application. For thicker applications more than 13mm; apply the plaster or render in layers.





DAVELASTIC

For flexible thin coating onto PC Panels, ALC Blocks and Light Weight Blocks.

To improved bonding and water resistant

Type of Application	Cement : Sand	Davco	Consumption
	1 part : 50kg	Davco Davelastic	
Primer (for higher absorbent surfaces)	-	Dilute with water 1:1	depend on surfaces
Thin Coating (1:1)		Use as Neat	16 - 22 litres
	* fine sand less than 0.5mm diameter		

For highly absorbent surfaces like light weight blocks or ALC blocks, Lanko 124 which is tinted blue can be used in place of Davco Davelastic.

For thin bedding of tiles.

To improved adhesion and waterproofing of tile bonding.

Type of Application	Mix	Davco	Coverage
Thin Setting Adhesive	Cement: Sand* (50 kg each) * fine sand less than 0.5mm diameter	Use as Neat	approx. 0.7 0.7 ltr per m ² @ 3mm thk
Heavy Tiles	Davco TTB Davco Dribond Marble ECO	Use as Neat 5-6 litres per bag	approx. 6.0 - 7.0 m ² @ 3mm thk

MIXING & APPLICATION - For Thin Bedding of Tiles

- Always pre-blend the cement/sand mix separately. Sand used shall be fine sand of 0.5mm diameter fine silica sand.
- Put the Davco Davelastic liquid in a clean mixing container before adding the preblended cement/sand mix or before adding Davco TTB ECO or Dribond Marble ECO. Mix thoroughly and let the adhesive stand for 10 minutes, then remix. During use, remix mortar occasionally.
- Spread adhesive using proper notched trowel. For tile with grooves or ridges, it may be necessary to butter coat the back of the tile so that proper adhesions and support occurs.

Note : External facades and direct fixing on existing tiles, buttercoating of tiles larger than 200mm x 200mm, with a minimum coverage of 1 mm is essential. A mix of Davco Davelastic/Dribond Marble ECO to form a minimum bedding of 3mm is to be used.

When tiling over existing tiles, roughen up the surface of the tile, ensuring the surface is free of grease, oil, dirt and free from other contaminants, then apply Davco Davelastic/Dribond Marble ECO system.

Grouting

Apply grout 24 hours after the tiling. The tiled area can be put into use 24 hours after grouting.

When using Davco Rapidbond 2 Part system, grouting can occur 6 hours after tiling, and tile surface put into service after 8 hours.

CLEAN UP

Excess Davco Davelastic and tools can be cleaned with warm water while the product is still wet.

PACKAGING

20 litres pail, 5 litres pail.

SHELF LIFE

Shelf life of up to 12 months, stored in a cool, dry place in the original unopened container.

HEALTH & SAFETY

This product is non-toxic. In case of excessive skin contact, flush with plenty of water. If ill effects should occur, seek medical attention immediately. Refer to safety data sheet.

Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.parexgroup.com.sg



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Updated TA Oct 2015