



DAVELASTIC

DESCRIPTION

Davelastic is a flexible acrylic polymer additive designed for the use with Davco's cement based adhesives, ideal for installing ceramic tiles, marble, slate and natural stone onto concrete, cement render, rendered brickwork surfaces or over existing tiles.

USES

- Davelastic may be used as an additive with Davco's Cement based adhesive for fixing ceramic tiles, pavers, marble, slate, and natural stone onto concrete, cement render, blockwork and rendered brickwork surfaces and existing tiles.
- Davelastic when used in conjunction with Super TTB is ideal for Facade tiling applications.
- Davelastic can be used in conjunction with sand and cement as a splash coat to fix rendered or bed tiles over uneven concrete.
- Davelastic can also be used as an additive to strengthen cement render coats.
- Davelastic can also be used as a grout additive, especially in straight sand/cement grouts.
- Davelastic can be used as a binder in thick bed mortar fixing.

FEATURES AND BENEFITS

- Davelastic provides high bond strength in sand/cement mortars.
- Davelastic being an acrylic polymer, creates water resistance in mortars, which enables it to be used in wet areas like concrete swimming pools, spas and external facades.
- Being acrylic based, Davelastic is non-toxic.
- Davelastic when added to Davco's Cement based adhesives increases the shear bond strength in excess of 200% above AS2358.1990 standard for shear bond strength.
- Davelastic contains specially formulated liquid polymers, which provide elasticity, flexibility, improved adhesion and shear bond strength.

SURFACE PREPARATION

- All surfaces must be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds and other loose contaminating materials.
- Painted surfaces must be scabbled to expose at least 80% of the original substrate.
- New concrete surfaces must be allowed to cure for 6 weeks and have a woodfloat finish.

- Rendered surfaces must be allowed to cure for at least 7 days.
- Old concrete and rendered surfaces must be thoroughly cleaned prior to using Davelastic.
- Ensure release agents are removed from cement surfaces, especially tilt-up slabs.

Movement joints should be provided as follows:

1. Over movement joints in the background & substrate.
 2. At a junction between different backgrounds.
 3. At fixtures interrupting the tile surface.
 4. At internal vertical corners.
 5. Around the perimeter of the floor.
 6. At a maximum of 5 mtr intervals in a grid pattern.
 7. At storey heights top and bottom of floor slab.
 8. At approximately 400mm-600mm back from external vertical corners on walls longer than 3 mtrs.
- Movement joints should go right through the tile and adhesive bed to the background, and be kept free from dirt and adhesive droppings. Movement joints should not be less than 6mm nor greater than 10mm wide. Movement joints that are 6mm wide can be filled with a flexible Davco *Sanitized*[®] Colorcaulk. Wider movement joints can be filled with a silicone, polysulphide joint filler or an approved neoprene expansion strip.

MIXING

Splash Coats:

- 1 part Portland cement
- 1 part washed sand
- 1 part neat Davelastic

Renderers/Screeds:

Powder Mix -

- 1 part Portland cement
- 3 parts washed sand

Liquid Mix -

- 1 part Davelastic
- 3 parts water

Bedding and Grouting:

Powder Mix -

- 1 part Portland cement
- 2 parts washed sand or Davco Propriety packed grout

Liquid Mix -

- 1 part Davelastic
- 3 parts water

Tiling On Tiles:

- 20kg cement based adhesive
- 5 litres Davelastic

Facade Tiling:

- 20kg Super TTB/Rapidbond
- 5 Litres Davelastic



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APPLICATION

Splash Coat:

- Dampen the surface then splash the mix on using a small broom. The splash coat should not be more than 2mm thick.

Renders/Screeds:

- Should be applied using a flat trowel and must not exceed 13mm in one application. For render thicker than 13mm, apply the render in layers.

Bedding and Grouting:

- Apply mixture using a 6mm x 6mm notched trowel. For thick bed applications use a 10mm x 10mm to 12mm x 12mm notched trowel. Press tiles well into the bed to ensure proper bond. For grouting apply mix into the joints using a rubber squeegee.
- **Note:** For external facades and direct fixing onto existing tiles butter-coat the back of the tiles as well as trowelling the adhesive onto the substrate.

Tiling on Tiles:

- When tiling over existing tiles, roughen up the surface of the tiles, using a grinder or sander, ensuring the surface is free of grease, oil, dirt and any other contaminants, then apply the Davelastic/cement based adhesive system.

GROUTING

- Apply grout 24 hours after the tiling.
- The tiled area can be put into use 24 hours after grouting.
- When using Davelastic/Rapidbond system, grouting can occur 6 hours after tiling, and the tile surface put into service after 8 hours.

PRECAUTIONS

- Do not use in temperatures above 45°C and below 5°C.
- Do not allow Davelastic to dry on the tile surface.
- For a full MSDS on this product contact your ParexDavco (Australia) Pty Ltd state office.
- All products are guaranteed when installed in accordance with the relevant Australian Standard, the current technical datasheets, specification and instructions for use. This guarantee does not cover issues beyond the control of the manufacturer such as efflorescence, shade variations, variable application techniques and extreme environmental conditions.

COVERAGE

When used as an additive for mortars, 20kg of mortar requires approximately 5 litres of Davelastic. Applying the mix using a 6mm x 6mm notched trowel the coverage obtained is approximately 3.6kg/m².

CLEAN UP

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

PACKAGING

Davelastic is available in 5 litre, 20 litre containers.

SHELF LIFE

Davelastic has a shelf life of approximately 12 months stored in a cool dry place in the original unopened container.

TECHNICAL DATA

Properties:	
Appearance:	White Liquid
Specific Gravity:	1.01kg/L

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. All workmanship must be carried out in accordance with AS 3958.1 - 1991.

The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application. Users are asked to check that the literature in their possession is the latest issue.

PAREX DAVCO

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