



DAVELASTIC

Flexible Acrylic Additive High Bonding Strength

DESCRIPTION

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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

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- 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 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

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- 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

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- All surfaces must be structurally sound, dry, clean □ and free from movement, oil, grease, wax, curing □ compounds and any other loose or contaminating □ materials.
- Painted surfaces must be scabbled/abraded to □ expose at least 80% of the original substrate.
- Newly rendered / screeded surfaces must be allowed □ to cure for at least 7 days and have a wood float □ finish.
- New concrete must be allowed to cure for 6 weeks □ and have a wood float finish.
- Old rendered / screeded / concrete surfaces must be □ thoroughly cleaned prior to using DAVELASTIC.
- Make sure all release agents are removed from □ concrete surfaces, especially on tilt-up slabs.

Movement joints should be provided as follows:

1. Over movement joints in the background.
2. At a junction between different background materials.
3. At fixtures interrupting the tile surface e.g. columns.
4. At internal vertical corners.
5. Around the perimeter of the tiling system.
6. At a maximum of 5 metre intervals in a grid pattern.
7. At storey heights top and bottom of floor slab.
8. At approximately 400-600 mm back from external □ vertical corners on wall longer than 3 metres.

Note : Movement joints should go right through the tile adhesive bed to the background and be kept free from dirt and adhesive droppings. Movement joints must not be less than 6 mm nor greater than 10 mm wide. All movement joints that are 6 mm wide can be filled with LANKO 612 ACRYLIC. For wider applications use LANKO 603 POLYURETHANE or 607 PS SEALANT fillers.

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MIXING

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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 packed grout

Liquid Mix -

- 1 part DAVELASTIC
- 3 parts water

Tiling On Tiles :

- 20 kg cement based adhesive
- 5 litres DAVELASTIC

Facade Tiling :

- 20 kg SE-7

Liquid Mix -

- 1 part DAVELASTIC
- 1 part water

APPLICATION

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Splash Coat :

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

Renderers / 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 6 mm x 6 mm notched trowel. For thick bed applications use a 10 mm x 10 mm to 12 mm x 12 mm 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

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- Grouting can be carried out 24 hours after the completion of the tiling.
- Grouting can be carried out with Davco *Sanitized* COLORGROUT for joints 1-6 mm wide.
- To enhance the colour and increase water resistance and flexibility of the grout, use Davco GROUT-CURE. Refer to GROUT-CURE's data sheet for further details
- Allow 24 hours after grouting before putting the area into service.

PRECAUTIONS

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- Do not use in temperatures above 45°C or below 5°C.
- Do not allow Davelastic to dry on the tile surface.
- For a full MSDS on this product contact your Davco Construction Materials state office.

COVERAGE

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

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CLEAN UP

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

PACKAGING

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Davelastic is available in 5 litre, 20 litre containers.

SHELF LIFE

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Up to 12 months in unopened bags, stored in an elevated, cool dry position.

TECHNICAL DATA

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Properties :

- Appearance : White liquid
- Specific Gravity : 1.01 kg/litre

DISCLAIMER

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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.



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