



# DAVCO SE-7

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## DESCRIPTION

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Davco SE-7 is a premium grade, thick or thin bed, off-white cement-based adhesive. It has been specifically formulated to provide superior coverage, smoother / easier application, longer open time and extra high bond strength for the fixing of tiles onto various substrates. It can be modified with Davelastic for use in immersed areas or for heavy or large tiles

SE-7 is classified **C1** when tested to AS4992

SE-7 when mixed with a 1:1 gauged mixture of Davelastic is classified **C1S2E** when tested to AS4992

## USES

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- May be used on both walls and floors, in interior and exterior applications.
- May be used to fix tiles onto concrete, cement renders/screeds, blockwork, rendered brickwork and particular waterproofing membranes.
- May be used to patch / level out imperfections on the concrete, render or screed surfaces.
- Davco SE-7 is recommended for the thin or thick bed fixing of all types of ceramic, mosaic, vitrified, porcelain, terracotta, slate, quarry, granite and marble tiles, with the exception of green marbles.
- When modified with Davelastic (diluted 1:1 with water) the system may be used to fix tiles onto facades, to fix tiles in immersed situations (such as swimming pools, spas and similar areas). Contact Davco if further information is required.
- May be used for fixing wall tiles onto flexible building boards such as fibre cement sheeting and plasterboard, when modified with Davelastic.

## 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 porous substrate.
- Newly rendered/screeded surfaces must be allowed to cure for at least 7 days and have a wood float finish.
- Old rendered/screeded surfaces must be thoroughly cleaned prior to tiling and have a wood float finish.
- New concrete must be allowed to cure for 6 weeks and should have a wood float finish.
- Steel trowel finished concrete must be acid etched or mechanically abraded prior to tiling.

- Old concrete surfaces must be thoroughly cleaned prior to tiling.
- Make sure all release agents are removed from concrete surfaces, especially on tilt-up slabs.
- Porous/dusty surfaces must initially be primed using Davco Ultraprime.
- Certain non-absorbent/contaminated surfaces can be prepared for tiling by using Davco Ultrabond.

**Movement joints should be installed.**

**Always install as per AS3958-2007. In general install:**

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.

**Note:** Movement joints should go right through the tile adhesive bed to the background and be kept free from dirt and adhesive droppings. Must not be less than 6mm nor greater than 10mm wide. All movement joints that are 6mm wide can be filled with Davco *Sanitized*<sup>®</sup> Colorcaulk. For wider applications use Davco Davsil or polysulphide and polyurethane type fillers. Refer to AS3958-2007 for details.

## MIXING

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- The mixing ratio is 20kg of Davco SE-7 to approximately 6 litres of clean, potable water.
- When using with Davelastic, prepare a gauged mixture of 1:1 Davelastic and water (3L each) and use this mixture instead of just water.
- Place the water into a bucket and add the SE-7 while constantly mixing with a drill and paddle.
- Mix until a thick creamy consistency is achieved.

## APPLICATION

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- Spread the adhesive onto the substrate using a 6mm x 6mm notched trowel for the installation of wall tiles up to 150mm x 150mm.
- For the installation of floor tiles or wall tiles larger than 150mm x 150mm, use a 10mm x 10mm to a 12mm x 12mm notched trowel.
- Tiles with lugs, grooves or an uneven back must initially be butter coated with the adhesive, in addition to the adhesive being trowelled onto the substrate.
- A 6mm x 6mm-notched trowel can be used to lay mosaic tiles.
- For wall tiling a minimum final bed thickness of 2mm is recommended, whilst for floor tiling a minimum final bed thickness of 3mm is recommended.



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- When laying tiles which are larger than 400mm x 400mm in size, Davco recommend the use of a 12mm x 12mm notched trowel as a minimum – back buttering of the tile may also be necessary to ensure greater than 90% coverage is achieved. Care needs to be taken to ensure the adhesive does not skin prior to bedding the tile.
- Can spread up to 2m<sup>2</sup> of adhesive at any one time on properly primed surfaces.
- Press tiles firmly into position before the adhesive skins, ensuring that all the tiles are well bedded and that no voids occur under the tiles.
- Occasionally, in order to ensure that full coverage is being maintained, a tile should be removed, the adhesive coverage noted and the tile be relaid accordingly.
- Once the tiles have been laid, they must not be disturbed or trafficked upon for 24 hours at 20°C.

## GROUTING

- Grouting can be carried out 24 hours after the completion of tiling.
- Use the Davco grout that best suits the tiling installation. Refer to the Davco Adhesive and Grout Selection Guide for further information.
- To enhance colour, increase water resistance and flexibility of the grout, use Davco Grout Additive. This is particularly recommended when grouting over timber or fibre cement sheeted floors, to minimise the likelihood of the grout cracking/powdering.
- Allow 24 hours after grouting before putting the area into service.

## PRECAUTIONS

- Do not apply in temperatures above 35°C or below 5°C.
- Do not allow the adhesive to skin prior to laying the tiles. If the adhesive skins, remove and dispose of it, then re-apply fresh adhesive.
- Contact ParexDavco (Australia) Pty Ltd for more advice if considering using in areas or onto surfaces not described in this document.
- SE-7 contains cement which is alkaline and can cause dermatitis. It is recommended that applicators wear PVC or similar gloves and safety goggles.
- Always read the MSDS before using. Contact ParexDavco (Australia) Pty Ltd or visit the website for copies.

## COVERAGE

A 20kg bag Davco SE-7 will cover approximately 7m<sup>2</sup> using a 10mm x 10mm-notched trowel.

## CLEAN UP

- Remove any excess adhesive from the face of the tiles with a damp cloth, while the adhesive is still wet.
- Clean tools and equipment with water before the adhesive dries.

## PACKAGING

SE-7 is available in 20kg bags. Davelastic is available in 5L and 20L pails

## SHELF LIFE

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

## TECHNICAL DATA

Properties:	
Appearance:	Off-White Powder
Bulk Density:	~1.35 kg/litre
Open Time at 20°C:	20 minutes
Adjustment Time at 20°C:	45 minutes
Pot Life at 20°C:	>2 Hours
Drying Time at 20°C:	24 hours

## 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 - 2007.*

*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.*

**PAREXDAVCO**

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