



SE-7



An off white, premium grade, Dust Less tile adhesive. Formulated with non-slump properties ideal for large format wall and floor tiles



FEATURES & BENEFITS

- Dust Less Technology - less mess, less dust, less clean up
- Non horizontal slump - excellent for large format tiles
- Great coverage
- Commercial grade
- Spreads easily
- Good strength
- Excellent pot life
- Off white in appearance

PACKAGING

Available in a 20kg bag

WHERE TO USE

Surfaces

Most common substrates; concrete, cement renders, screeds, rendered brickwork and blockwork, compatible waterproofing membranes. Patch work of imperfections on concrete and render / screeded surfaces. When mixed with Davco Davelastic, can be used over under-tile heating, timber floors (with fibre cement sheet underlay installed as stated in AS3958), flexible building boards and facades.

Tiles

Ideal for ceramic, mosaic, terracotta, slate, quarry, granite, marble, porcelain tiles and natural stone. Not suitable for translucent tiles and moisture sensitive stones such as green marble.

Areas

Suitable for interior and exterior applications. Commercial and domestic walls and floors including living areas, dining areas, bathrooms, walkways, office spaces and show rooms. When mixed with Davelastic, Davco SE-7 is suitable for submerged areas such as swimming pools and spas.

PRODUCT INFORMATION

AS ISO 13007 Classification

C1E (C2S1E when mixed with Davelastic solution 1:1 with water)

VOC Content

Low VOC - 4g/L (SCAQMD method 304-91)

Coverage

20kg bag of SE-7 covers approximately 11m² (based on a 6mm notch trowel)

Set Time

24 hours before grouting



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 AS3958.1 "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	
Wall tiles up to 150 x 150mm	6mm	
Wall/floor tiles 150 x 150mm and over	10mm	
400 x 400mm and over	12mm	✓
Any tile size with uneven back, lugs or grooves	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 7 days Sound (not drummy or cracked)	Prime with Davco PrimeX or Ultraprime
Screed - wood float finish (rough)	Cured minimum 7 days 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 with ceramic tile underlay and mixed with Davco Davelastic 1:1 ratio	Prime with Davco PrimeX
Existing ceramic tiles (provided tile is not sealed or in a submerged area, such as swimming pools)	Securely bonded existing tiles (not drummy)	Prime with Davco Ultrabond (See Ultrabond Technical Data sheet)
Other difficult / non absorbent substrates (e.g. contaminated / old flooring adhesive or tile adhesive)	Where not feasible to remove	Prime with Davco Ultrabond

MIX PREPARATION

Mix Process

SITUATION / REQUIREMENT	MIX REQUIREMENTS PER 20KG
General applications	6L of clean, potable water

1. Measure the right amount of clean, potable water (or diluted Davelastic solution) into a clean bucket.
2. Slowly add the powder into the water while mixing with a mixing paddle attached to a drill. 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

Laying the Tiles

1. Deposit a quantity of adhesive onto the prepared substrate.
Do not apply more adhesive than can be tiled within the open time of the product, usually from a single tile up to around 1m² at a time.
2. Hold the notched trowel at an angle of 60° or greater to the substrate.
3. Spread the adhesive over the area where tile is to be applied, forming straight rows of adhesive “beads”.
4. Where “back buttering” is required, use the straight side of the trowel to apply a thin covering of adhesive to the back of the tile.
5. Position the tile on the beaded adhesive and press firmly.
6. Move the tile forward and then back at 90° across the direction of the beads to ensure all beads are flattened leaving no voids under the tile. Occasionally lift a tile after placing it to check that the beads are fully compressed and that sufficient coverage has been achieved (90-100%). Replace the tile.
7. After laying a section at a time, remove any excess adhesive from the surface of the tiles and within the grout joint while the adhesive is still wet.

Clean-up & Return to Service

- Clean tools and equipment with water before the adhesive dries
- Allow product to set before grouting
- Allow product to set firmly before return to service

Note: Setting times of adhesive is affected by site conditions, climate and could be faster or slower than specified

PRECAUTIONS

Safety

- SDS is available from www.davcoaustralia.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

General

- Do not apply in temperatures above 35°C or below 5°C
- In cool and / or humid conditions, allow longer setting times
- 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

Specific

- When using SE-7 combined with Davelastic solution in submerged pool applications, allow the product to fully cure for 21 days prior to filling
- SE-7 must be used with diluted Davelastic when tiling submerged areas, such as swimming pools and spas

TECHNICAL DATA

TECHNICAL DATA	SE-7
Bond strength accordance with AS ISO 13007: – 28 Day RT – After heat exposure – After water immersion – Transverse deformation	> 1.0MPa > 0.5MPa < 1.0MPa > 0.5MPa < 1.0MPa < 2.5mm
Bond strength accordance with AS ISO 13007 (with Davelastic solution): – 28 Day RT – After heat exposure – After water immersion – Transverse deformation	> 1.0MPa > 1.0MPa > 1.0 MPa > 2.5mm < 5mm
Appearance	Off white powder
Coverage 20kg based on 6mm notch trowel	11m ²
Open time	30 minutes
Adjustment time	45 minutes
Pot life	2 hours
Set time before grouting	24 hours
Set time before return to dry area service	24 hours
Set time before return to wet area service	24 hours
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.

LEGAL NOTES

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

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