



Davco
EXCELLENCE IN
TILING SYSTEMS

TECHNICAL ADVICE LINE: 1800 653 347

EMAIL: technical@parexdavco.com.au

SMP 2010



Australian Standard AS4992

Classification: **C2E**

When mixed with a 1:1
gauged mixture of Davco
Davelastic

Classification: **C2S2E**

Davco SMP 2010 is a white, premium grade polymer fortified and reinforced adhesive, specially designed for high quality porcelain, stone and marble installations (*excluding green marble*). It is also formulated with low shrinkage and non-horizontal slump properties.

WHY USE DAVCO SMP 2010?

**Interior & exterior applications ♦ Wall and floor tiles ♦
Commercial and residential work ♦ Large format tiles ♦
Vitrified Tiles ♦ Fixing high quality porcelain, stone and
marble installations (*excluding moisture sensitive stones*) ♦
Translucent and light coloured tiles.**

Tile Types	Polymer fortified – provides high bond strength and gives excellent adhesion to all types of porous and non-porous tiles and stone. Makes SMP 2010 highly suitable to use on high quality porcelain, natural stone and marble (<i>with the exception of moisture sensitive stones such as green marble</i>). It is also suitable to use on all types of ceramic, vitrified, mosaic, terracotta, slate, quarry, and granite.
Substrates	Ideal to use on concrete, cement, renders, screeds, blockwork, rendered brickwork and compatible waterproofing membranes. When combined with Davco Davelastic , the physical properties become highly flexible and can be used on flexible building boards both wall and floor applications; stackstone tiles application; façade tiling; screed cured for 24 hours and ideal to use in immersed areas such as swimming pool and spa areas. Also ideal to use for undertile heating.
VOC Content Test Certificate	Low VOC - Specification for V2 IEQ-13, V1.1 IEQ-11
Excellent Open Time	Long repositioning time with extended open time of 30min, which provides greater fixing efficiency over larger areas, therefore increasing productivity.
Excellent Pot Life	The mixed mortar remains useable in a container for up to 3 hours at 20°C, prolonging its usefulness, therefore reducing wastage and saving you money.
Coverage	20kg bag will cover approximately 3-6m ² depending on the size of the trowel used.





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CODE	EAN number	DESCRIPTION	SIZE	PALLET QTY
1409820	9312095003035	SMP 2010	20KG	64

USES

- Davco SMP 2010 can be used on both walls and floors, in interior and exterior applications.
- Davco SMP 2010 may be used to fix tiles onto concrete, cement renders/screeds, blockwork, rendered brickwork and compatible waterproofing membranes.
- Davco SMP 2010 is recommended for the thick and thin bed fixing of all types of ceramic, mosaic, fully vitrified, porcelain, terracotta, slate, quarry, natural stone, granite and marble tiles (suitable to use on translucent and light coloured tiles) with the exception of green marble.
- **When Davco SMP 2010 is modified with Davelastic (diluted 1:1 with water) the system may be used to fix tiles onto facades, screed/render cured for 24hours and fix tiles in immersed situations (such as swimming pools, spas and similar areas). It may be used for fixing tiles onto flexible building boards such as fibre cement sheets, compressed fibre cement sheets, and plasterboard suitable for tiling. This system is also suitable to use on timber floors provided that a fibre cement sheet tile underlay is first installed. SMP 2010 with Davelastic is also suitable for use over undertile heating (must refer to surface preparation for further information). Contact ParexDavco state office if further information is required.**
- Setting can be accelerated by using Lanko 302 Cement Accelerator (see Mixing section).

SURFACE PREPARATION

- 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 / screed surfaces must be allowed to cure for at least 7 days and have a wood float finish. (*Screed / render cured for 24 hours at 20°C must use SMP 2010 combined with Davelastic – see Mixing instructions*).
- All building boards that are suitable for tiling must be firmly fixed according to the manufacturer's instructions and the relevant Australian Standard(s).
- 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 (including fibre cement and other building boards) must initially be primed using Davco Ultraprime.
- Undertile floor heating must be correctly fixed according to the manufacturer's instruction and relevant Australian Standards. It is advisable to use high quality underlayment system such as Lanko 133 in conjunction with Lanko 753 Acrylic Additive (gauge 1:2 with water – 1 part Lanko 753: 2 part water), to be laid on top of the undertile heating mat. Once this is dry, then prime with Lanko 124 before applying the adhesive as normal.

MOVEMENT JOINTS

Movement joints must be installed as stipulated by AS3958.1:2007 – Guide to the Installation of Ceramic Tiles. Failure to do so may result in drummy or lifting tiles. 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.

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 6mm nor greater than 10mm wide. All movement joints that are 6mm wide can be filled with Davco *Sanitized*[®] Colorcaulk. For wider applications use Davco Davsil or polysulphide and polyurethane type fillers.



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MIXING

- The mixing ratio is 20kg of Davco SMP 2010 to approximately 5 litres of clean, potable water.
- When using with Davco Davelastic, prepare a gauged mixture of 1:1 Davelastic and water (2.5L each) and use this mixture instead of just water.
- Place the water into a bucket and add the SMP 2010 while constantly mixing with a drill and paddle. Mix until a thick creamy consistency is achieved.
- Allow the mixture to stand for 5 min, remix then use the adhesive.
- If a fast setting adhesive is needed mix 20kg with 4.5L of a 1:4 gauged mixture of Lanko 302:water. This equals 0.9 litres Lanko 302 and 3.6 litres water. This mixture will achieve high strength in 24 hours and will be suitable for normal traffic.

APPLICATION

Tiles must be installed as stipulated by AS3958.1:2007 – Guide to the installation of Ceramic Tiles.

General requirements:

An appropriate amount of adhesive must be used to ensure an adequate bed depth and adhesive coverage.

Suggested trowel sizes:

Tile	Trowel
Wall tiles up to 150 x 150mm.	6mm
Wall/Floor tiles larger than 150 x 150mm	10mm
Large tiles 400 x 400mm or larger	12mm
Mosaic tiles	6mm

- It is required that tiles larger than 400 x 400mm must be back buttered before placement. This is required to ensure adequate adhesive coverage and a better bond.
- Do not exceed the open time of the adhesive (ensure adhesive does not skin before bedding the tile).
- Press tiles firmly into position and make sure that all the tiles are well bedded with no voids in the adhesive.
- Occasionally lift a tile after placing to check that the coverage is adequate (90 – 100% coverage).
- Only spread adhesive over an area on which tiles can be laid within 20mins or within the Open Time of the product.
- After laying do not disturb or allow traffic on the tiles for 24 hours (at 20°C).

GROUTING

- Grouting can be carried out 24 hours after the tiling.
- Suitable Grouts:

Joint Width	Grout
1 – 6 mm	Davco Sanitized® Colorgrout
6 – 12 mm	Davco Slate & Quarry Grout
1 -3 mm	Davco Sanitized® Porcelain Grout

- Davco 4-in-1 Grout Additive may be used to increase grout flexibility and water resistance. It should always be used when grouting over fibre cement sheeted floors to reduce cracking or powdering.
- Wait 24 hours after grouting before putting the area into dry service and 7 days for wet service.
- Refer to the appropriate Product Datasheet for more detailed grouting information.



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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.
- Not suitable for immersion.
- SMP 2010 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 of Davco SMP 2010 will cover approximately 3-6m² depending on the size of the trowel used.

CLEAN UP

- Avoid excessive adhesive drying out as it is easier to remove when it is still fresh.
- Remove wet product with a damp cloth.
- Clean tools and equipment with water.
- If allowed to dry it will need to be removed mechanically or using a suitable acid based product. In some cases these methods can affect the tile and should be avoided whenever possible.

PACKAGING & SHELF LIFE

Davco SMP 2010 is available in 20kg bags. The shelf life is up to 12 months when stored unopened in elevated, cool and dry conditions.

TECHNICAL DATA

Properties:

Appearance:	White Powder
Bulk Density:	~1.4 kg/L
Open Time at 20°C (primed surface):	30 minutes
Adjustment Time at 20°C:	20 minutes
Pot Life at 20°C:	3 hours
Drying Time at 20°C:	24 hours before grouting
Ready for wet area service:	7 days

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.

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PAREX DAVCO

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PAREXGROUP