

SWIMMING POOLS & SPAS

(immersed in water)



Adhesive System	Davco SE-7 plus Davelastic - a high strength super grade adhesive system for tile installations subject to vibration and movement. Use in accordance with manufacturer's instructions.
Waterproofing System	Davco Dampfast - a cement based, flexible, 2-part waterproofing and sealing membrane. CSIRO appraised and Type Tested, Dampfast is ideal for waterproofing swimming pools. The membrane must be fully cured prior to tiling.
Substrate	Reinforced concrete slab, rendered brick or blockwork. All substrates should be allowed to cure for six weeks (refer to AS3958-1991.Table 4.3).
Surface Preparation	Ensure surface is structurally sound, dry, clean and free of all contaminants. Concrete surfaces should be wood float finished. Steel trowel finished slabs should be acid washed or mechanically abraded. Remove curing compounds and release agents from concrete surfaces. <i>Prime with Davco Ultraprime.</i>
Optional Screed/Render	<p>Floors - Screed if fall is required to drainage point or if variance in the surface is greater than 5mm in every 3m. Apply splash coat first, then screed.</p> <p>Screed splash coat:</p> <ul style="list-style-type: none"> • 1 part Davelastic (diluted 1:1 with water) • 1 part neat cement <p>Screed:</p> <ul style="list-style-type: none"> • 1 part cement • 3 - 4 parts clean washed sand • 1 part Davelastic to 3 parts water <p><i>Screed should be a minimum 25mm thick. The bed must incorporate a form of wire reinforcement (eg. Expamet).</i></p> <p>Walls - if rendering is required, apply render splash coat first, then render.</p> <p>Render splash coat:</p> <ul style="list-style-type: none"> • 1 part Davelastic (diluted 1:1 with water) • 1 part neat cement <p>Render:</p> <ul style="list-style-type: none"> • 4 parts sand • 1 part cement • 0.5 parts lime • 1 part Davelastic to 3 parts water. <p><i>Render should be 8-10mm thick. Allow 7 days drying time prior to waterproofing or subsequent coating.</i></p>
Mixing	<ul style="list-style-type: none"> • 20kg of Davco SE-7 requires 3 litres of Davelastic diluted with 3 litres of water. • 20kg of Dampfast powder requires 10 litres of Dampfast liquid.
Adhesive Application	For the installation of wall tiles up to 150mm x 150mm use a 6mm x 6mm notched trowel. For the installation of floor tiles or wall tiles larger than 150mm x 150mm use a 10mm x 10mm notched trowel. Butter coat rear of grooved or ridged tiles. Do not soak tiles.
Waterproofing Application	In any one coat the wet thickness must be between 1 and 2mm. Allow the first coat to dry for approximately 45 minutes at 20°C. Burst any air bubbles before applying a second coat at a 90° angle to the first.
Coverage	<ul style="list-style-type: none"> • A 20kg bag of Davco SE-7 will cover approximately 7m² using a 10mm x 10mm-notched trowel. • 10lt/20kg of Davco Dampfast will cover approximately 12m² with a dry film thickness of 1.5mm (1500 microns) depending upon site conditions.
Grout	In all swimming pool installations, Davco Grout-Cure must be added to the grout, refer to the datasheet for full instructions. It is designed to significantly increase the flexural strength, water resistance, chemical resistance and stain resistance of the grout. For 3 - 5mm joint widths, use Davco Sanitized® ColorgROUT. For 6 - 12mm joint widths, use Slate & Quarry Grout.
Movement Joints	Refer to AS3958.1 - 1991 Clause 5.4.5.2 and 5.4.5.3. Fill all movement joints with Davco Davsil or Sodaflex 603.

For a detailed specification contact your Davco Representative or our Technical Advisory Line 1800 653 347