

# EXTERIOR BALCONIES



**Davco**  
EXCELLENCE IN  
TILING SYSTEMS

<b>Adhesive System</b>	Davcoflex Grey - a high strength flexible adhesive system for all tiles in exterior balcony installations. Use in accordance with manufacturer's instructions.
<b>Waterproofing System</b>	Davco K10 Plus - a flexible, single pack water based polyurethane waterproofing membrane. The membrane must be fully cured prior to tiling.
<b>Substrate</b>	Reinforced concrete slab (all substrates should be allowed to cure for six weeks, (refer to AS3958.1-1991 Table 4.3) or timber framed floor lined with fibre cement sheeting minimum 15mm thickness (refer AS3958.1-1991 Clause 2.6.4). Ensure there are falls to drainage outlets, if there are no drainage outlets, the balcony should be sloped to avoid pooling.
<b>Surface Preparation</b>	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 floors. <i>Prime with Davco Ultraprime.</i>
<b>Optional Screed</b>	Screed to achieve falls to a drainage point or if variance in the surface is greater than 5mm in every 3m. Apply splash coat first, then screed. <b>Screed splash coat:</b> <ul style="list-style-type: none"> <li>• 1 part Davelastic (diluted 1:1 with water)</li> <li>• 1 part neat cement</li> </ul> <b>Screed:</b> <ul style="list-style-type: none"> <li>• 1 part cement</li> <li>• 3 - 4 parts clean washed sand</li> <li>• 1 part Davelastic to 3 parts water</li> </ul> <i>Screed should be a minimum 25mm thick. The bed must incorporate a form of wire reinforcement (eg. Expanet). Allow 7 days drying time prior to waterproofing or overcoating.</i>
<b>Mixing</b>	<ul style="list-style-type: none"> <li>• 25kg of Davco Davcoflex powder requires 20 litres Davcoflex liquid.</li> <li>• Davco K10 Plus is ready to use.</li> </ul>
<b>Adhesive Application</b>	If drainage outlets are within the balcony floor surface, the size of the tile must be considered due to the difficulty in achieving adequate falls. Use a 10mm x 10mm notched trowel for tiles smaller than 150mm x 150mm. Butter coat rear of grooved or ridged tiles. Do not soak tiles.
<b>Waterproofing Application</b>	Use a thick brush or a short nap roller to apply the first coat of Davco K10 Plus on the area to be waterproofed. Allow the first coat to dry for approximately 1-2 hours before applying the 2nd coat at 90° to the first coat for a 0.6mm (600 microns) thick dry film.
<b>Coverage</b>	<ul style="list-style-type: none"> <li>• 25kg/20L of Davcoflex Grey will cover approximately 15m<sup>2</sup> using a 10mm x 10mm notched trowel.</li> <li>• 20L of Davco K10 Plus will cover approximately 20m<sup>2</sup> providing a 0.6mm (600 microns) thick dry film.</li> </ul>
<b>Grout</b>	For 3 - 5mm joint widths, use Davco Sanitized® Colorgrout. For 6 - 12mm joint widths, use Slate & Quarry Grout. To enhance colour and increase water resistance and flexibility of the grout, use 4 in 1 Grout Additive.
<b>Movement Joints</b>	Refer to AS3958.1 - 1991 Clause 5.4.5.2 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