



K10 POLYURETHANE PLUS

ENVIRONMENTALLY FRIENDLY WATERBASED POLYURETHANE



ECO FRIENDLY



LOW VOC



CRACK BRIDGING

DESCRIPTION

Davco K10 Polyurethane Plus is a flexible single-pack water-based polyurethane waterproofing and sealing membrane.

Davco K10 Polyurethane Plus is a fast drying waterproofing membrane with excellent chemical resistance properties.

USES

Ideal for waterproofing of facades, terraces, balconies and wet areas.

Ideal for waterproofing of concrete roofs including walkways and planter boxes.

For internal and external use.

ADVANTAGES

Davco K10 Polyurethane Plus forms a tough flexible membrane film which eliminates the need for a reinforcing layer. Reinforcement mesh is only needed over movement joints.

Once cured, can be tiled over using Davco's cement based or two part adhesive.

Does not stain tiles or marble.

Does not require protective screed.

Can be applied on damp visibly dry surfaces without the fear of blistering.

Environmentally friendly product, does not give off fumes or gases which will affect health.

Because of its non-odour formulation, Davco K10 Polyurethane Plus is suitable for use in confined areas.

Suitable for external areas of waterproofing, on walls and on floors subjected to ultra-violet radiation.

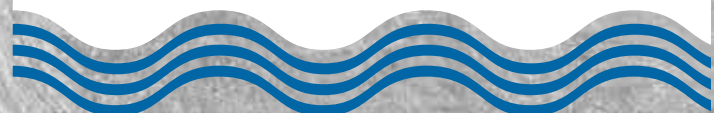
TECHNICAL DATA

Appearance	Thick pasty liquid
Solid Content	69 - 74%
Elongation at Break - ASTM D412 : 2006a (2013)	320%
Tensile Strength - ASTM D412 : 2006a (2013)	2.14 N/mm ²
Adhesion Strength - ASTM D4541 : 2002	1.93 N/mm ²
Crack Bridging Adopted ASTM C836 : 00 (BTD/TP/03 (2002))	
- Method A Widening of crack width till 3mm	No Crack
- Method B Stretching and closing to a width of 1mm	No Crack
Shore hardness - ASTM D2240 : 2005 (2010)	70
Cure Time	4 - 6 hours
Touch dry at 30°C	1hour 30min

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.



BUILDING TRUST





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SURFACE PREPARATION

Concrete / Render / Lightweight Blocks.
All new concrete slabs must be allowed to cure for at least 6 weeks. New rendered surfaces must be allowed to cure for at least 7 days.

Old concrete / render surfaces must be cleaned with a strong commercial grade detergent or degreaser, then thoroughly wash off all residue with clean water. Allow the surface to dry for at least 24 hours.

Prime the surfaces with Davco Acrylic Primer prior to applying Davco K10 Polyurethane Plus.

Metal Surfaces :

All metal surfaces must be totally free of rust. Prime metal surfaces with Davco Primer XP, a premium grade etching primer.

Cracks :

Hairline cracks up to 1mm wide which experience no movement, may be duly filled up with Davco K10 Polyurethane Plus before applying another layer over the area to be waterproofed.

Structural cracks which experience movement must be repaired and have a polypropylene tape securely placed over the crack. Davco K10 Polyurethane Plus should then be applied over the area and on the tape and allowed to cure.

Drain Application:

Treat the inside and around the drain with a separate layer of Davco K10 Polyurethane Plus before proceeding with the actual application of the whole surface area.

Do not allow the product to freeze.

Do not apply if the temperature is in excess of 45°C or less than 5°C.

Delay external applications when inclement weather is imminent.

Do not thin liquid, it is supplied ready for use.

Prior to the application, a slurry bonding coat should be applied to ensure good adhesion.

All substrates must be dry, clean and sound prior to application.

MIXING

No mixing is required when using Davco K10 Polyurethane Plus.

APPLICATION

Spread the Davco K10 Polyurethane Plus onto the substrate using a roller, brush or airless spray gun. When applying with a brush or roller, due to its elastomeric quality, it may not be possible to get a flat level finish and brush or roller marks are common.

Apply in a thin continuous layer over the area to be waterproofed.

Allow 1 to 2 hours in between each coat.

Recommended coverage: 0.75 litres/m² @ 0.75mm WFT /per coat (minimum 2 coats).

COVERAGE

One pail covers approximately 27m² @ 0.75mm WFT /per coat depending upon site conditions.

CAUTION

Do not use where negative hydrostatic pressure is evident (i.e. rising damp) as it affects the bond of Davco K10 Polyurethane Plus.

PACKAGING

20 litres pail.

SHELF LIFE

Up to 12 months in unopened containers, when stored in a cool dry elevated place.

CLEAN UP

Tools and excess Davco K10 Polyurethane Plus can be cleaned up with water while it is still wet.

HEALTH & SAFETY

In case of eye splashes or excessive skin contact, thoroughly flush with clean water. If ill effects occur, seek medical attention immediately. Refer to safety data sheet.

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. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website www.sika.com.sg

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