



# Polyurethane Plus

## Environmentally Friendly Waterbased Polyurethane

### DESCRIPTION

Davco K10 Polyurethane Plus is a flexible single-pack water-based polyurethane waterproofing and sealing membrane. Davco 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 it's 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	60 - 70%
Elongation at Break	380%
Tensile Strength	3 N/mm <sup>2</sup>
Adhesion to concrete	1.03 N/mm <sup>2</sup>
Shore hardness	85
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.



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Low VOC Coating





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### SURFACE PREPARATION

Concrete :

All new concrete slabs must be allowed to cure for at least 6 weeks.

Old concrete 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.

Render :

New rendered surfaces must be allowed to cure for at least 7 days.

Lightweight Blocks :

Prime the surfaces with Davco 4 In 1 Primerflex/Additive prior to applying Davco K10 Polyurethane Plus.

Metal Surfaces :

All metal surfaces must be totally free of rust. Prime metal surfaces with 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 filled with Davco Lapflex One and 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.

For other uses or the use of Davco K10 Polyurethane Plus over substrates / situations not mentioned, contact manufacturer.

### SUBSTRATES

All substrates must be clean and sound prior to waterproofing.

In using Davco K10 Polyurethane Plus, the substrate shall be visibly dry.

### MIXING

No mixing is required when using Davco K10 Polyurethane Plus.

### APPLICATION

Spread the Davco K10 Polyurethane Plus onto the substrate using a lambswool roller or brush.

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

Allow 1 to 2 hours in between each coat.

Recommended coverage: 1.5 litres/m<sup>2</sup> @ 1mm thick in minimum 2 coats.

### COVERAGE

One pail covers approximately 13m<sup>2</sup> @ 1mm thick 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, 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.

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.

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