K10 Plus

A flexible, 1 part, ready to use, water based polyurethane Class III waterproofing membrane

FEATURES & BENEFITS
- Ready to use straight from the pail
- Suitable as an anti-fracture membrane
- Excellent curing time
- Water based polyurethane
- Non-toxic
- UV stable
- Available in green or grey

PACKAGING
Available in a 4L or 20L pail (green) and a 20L pail (grey)

WHERE TO USE
Surfaces
Most common substrates; concrete, cement renders, screed, lightweight blocks, prepared metal surfaces, building boards approved for wet areas, such as compressed fibre cement sheeting.

Areas
Suitable for interior and exterior applications. Commercial and domestic walls and floors including wet areas such as showers, bathrooms, terraces, balconies, roofs walkways and other exposed situations which can be tiled over if required, using Davco cement-based adhesives. Also suitable for confined areas, as Davco K10 Plus is water based and solvent free.

PRODUCT INFORMATION

AS 4858 Classification
AS/NZS 4858: Class III membrane

VOC Content
Low VOC - 40g/L (SCAQMD method 304-91)

Coverage
Wet areas (2 coats required)
The minimum dry film thickness required is 0.6mm for walls and 0.8mm for floors. This should be achieved by applying 2 coats at a rate of 0.9L/m² for walls and 1.25L/m² for floors. A 20L pail will cover approximately 22m² of walls or 16m² of floors.

Balconies / patios - covered by hard floor covering (2 heavy coats required)
The minimum dry film thickness required is 0.8mm for floors. This should be achieved by applying 2 heavy coats at a rate of 1.25L/m² for floors. A 20L pail will cover approximately 16m².

Rooftops / exposed external areas (3 heavy coats required)
The minimum dry film thickness required is 2.0 mm for floors. This should be achieved by applying 3 heavy coats at a rate of 2.9L/m² for floors. A 20L pail will cover approximately 7m².

Curing Time
Single coat 6-8 hours at 22°C
**DIRECTIONS FOR USE**

- A test area should be undertaken to ensure suitability

**SURFACE PREPARATION**

- All surfaces must be installed according to manufacturer’s instructions and relevant Australian Standard(s) and be structurally sound, dry, clean and free from movement, oil, grease, wax, curing compounds, release agents and any other loose or contaminating material
- Prior to application, remove all sharp protrusions, which may pierce the membrane
- Any voids, potholes in the substrate must be appropriately filled up with a high strength mortar (Lanko 136 Rapid patching mortar)

**Concrete**

- All new concrete slabs must have a wood float finish and be allowed to cure for at least 6 weeks
- Old concrete must be cleaned with a strong commercial grade detergent or degreaser. Residue must then be thoroughly washed off with clean water. Allow the surface to dry for at least 24 hours
- If the concrete (new or old) has a steel trowel or power float finish, it must be mechanically abraded to expose the aggregate. Signs of laitance must be removed
- Prime the concrete surface using Davco Ultraprime or Davco PrimeX

**Render/Screeds**

- New rendered or screeds surfaces must have a wood float finish and be allowed to cure for at least 7 days

**Lightweight Blocks**

- Prime the surface with 2 coats of Davco Ultraprime or Davco PrimeX

**Metal Surfaces**

- All metal surfaces must be totally free of rust
- Prime metal surfaces with a suitable etching primer

**Cracks / Joints - NOT subject to movement**

- Small hairline cracks, up to 1mm wide, may be filled by the first application of K10 Plus
- For cracks / joints wider than 1mm, a joint filler should be applied along the length of the crack prior to the application of K10 Plus or Davco K5 Bond Breaker

**Cracks / Joints - subject to movement**

- All cracks / joints, irrespective of their width, must be filled firstly with K5 Bond Breaker. Then 50mm wide polyethylene / polypropylene tape should be placed over the crack, ensuring it adheres to the surface.

**Building Boards**

- Standard wall / floor building boards must be primed with PrimeX and firmly fixed in accordance with manufacturer’s instructions and appropriate Australian Standards. Such boards include plasterboard, fibre cement sheeting, marine grade ply and wet area composition board. Check with manufacturer of other building boards for their suitability
- Screw or nail heads must be sealed with either epoxy or K5 Bond Breaker
- All sheeting joints need to be covered with 50mm wide polyethylene / polypropylene tape

**Falls to Drain**

- In all wet areas, it is important that falls be provided to the drain outlet. The slope of this fall should be 1:80 – which equates to a 12.5mm fall over 1m. For wet areas, balconies and rooftops, if the existing substrate does not provide the necessary falls, a sand / cement screed needs to be created. Once the screed is in place and has cured adequately apply the membrane as per instructions below. Contact ParexGroup for more information on an appropriate screed mix should this be required
- For balconies and rooftops, the slope of this fall should be 1:100 – which equates to a 10mm fall over 1m. If the existing substrate does not provide the necessary fall, a sand / cement screed needs to be created. Once the screed is in place and has cured adequately, apply the membrane as per instructions below. Contact ParexGroup for more information on an appropriate screed mix should this be required
APPLICATION

Concrete Surfaces
• This can be primed with Ultraprime or PrimeX. Allow the primer to dry before application of the membrane.

Timber Surfaces
• This applies to solid timber floors, ply and particle board flooring. Prime the surface with Ultraprime. Allow the primer to dry before application of the membrane.

Compressed Fibre Cement
• This should be primed using PrimeX. Allow the primer to dry before application of the membrane. Refer to the PrimeX Data Sheet for instructions.

Bond Breaker - Abelrod
• When using Abelrod gap filler as a bond breaker, prime the surface first as per instructions. Allow to dry.
• Place Abelrod gap filler along all wall / floor and rapid junctions and secure into place with polyethylene / polypropylene tape.
• When using K5 Bond Breaker, apply the bead into the corner and smooth out to form a 12mm cove in the corner.
• Allow to cure for 24 hours before subsequent application of membrane.

General Application
• K10 Plus requires no mixing. Apply directly from the pail. Use a thick brush or a short nap roller to apply the first coat of 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. Ensure there are no pinholes or air bubbles on the membrane surface.
• Apply a third coat only if necessary or required to do so.
• Allow the final coat to dry for at least 6 hours before tiling (according to temperature conditions). This gives an overall drying time of 6-8 hours for the full application.

Note: The lower the temperature, the slower the drying time of the membrane.

Drain Application
• The drainage flange should ideally be recessed into the substrate and a bead of K5 Bond Breaker sealant placed around the circumference. The drainage flange should be lightly sanded before priming with plumbers primer.
• Apply the first coat of K10 Plus in and around the drain and allow to dry for approximately 1-2 hours at 20°C.
• Apply a second coat in and around the drain ensuring no pinholes or air bubbles are present on the membrane surface. If necessary apply a third coat.

Ponding
• If pond testing is required, ensure the membrane is allowed to cure for a minimum of 5 days before pond testing.

Clean-up & Return to Service
• Tools and excess K10 Plus can be cleaned up with water while it is still wet.

PRECAUTIONS

Safety
• SDS is available from parexdavco.com.au.
• It is recommended that applicators wear PVC or similar gloves and safety goggles while handling this product.
• Keep out of reach of children. If eye contact occurs, rinse with cool water.
• If ingested, seek immediate medical assistance.

General
• Do not apply in temperatures above 35°C or below 5°C.
• Do not allow the product to freeze.
• Delay external applications when inclement weather is imminent.
• Do not thin the liquid, it is supplied ready for use.
• Do not use K10 Plus in areas of permanent water immersion like swimming pools, spas etc.
• Do not use where negative hydrostatic pressure is evident (i.e. rising damp), as it affects the bond of K10 Plus. Contact ParexGroup for product recommendation in areas where negative hydrostatic pressure exists.

Specific
• For other uses not mentioned in these instructions, please contact ParexGroup.

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## TECHNICAL DATA

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
<th>K10 PLUS</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Green or grey liquid</td>
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<tr>
<td>Drying time per single coat at 22°C</td>
<td>6-8 hours</td>
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<tr>
<td>Elongation</td>
<td>&gt;500%</td>
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<tr>
<td>Water vapor transmission rate</td>
<td>1.55g/m²/24 hours</td>
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<tr>
<td>Water absorption</td>
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<tr>
<td>Tensile strength</td>
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<td>Adhesion to concrete</td>
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<td>Shore A hardness</td>
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<td>Pencil Hardness Test (ASTM D 2240)</td>
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<tr>
<td>Shelf life when stored unopened in elevated, cool, dry location</td>
<td>12 months</td>
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ParexGroup reserves the right to inspect any alleged failure at our cost. No responsibility will be accepted unless a representative of ParexGroup is afforded the opportunity to inspect any alleged failure.