



# VOLSEAL 600®

POLYURETHANE WATERPROOFING MEMBRANE

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## DESCRIPTION

Volseal 600 is a single part, rapid curing, modified polyurethane waterproofing membrane that can be applied directly to green or damp concrete surfaces. It is available in self levelling and trowelable grades.

## APPLICATIONS

- Podium Decks, green roofs, plazas, parking decks and roof terraces
- Waterproofing foundation walls, landscaped areas, planter boxes, tunnels, etc
- Suitable for use on concrete, wood, metal and masonry surfaces

## ADVANTAGES

- Single component, cold-applied, fully bonded membrane
- Applied in a single coat without primer in most cases
- Can be applied directly to damp or green concrete without the need for priming
- Highly elastomeric – excellent crack bridging performance
- Rapid curing – can be overlaid in as little as 4 hours
- Suitable for horizontal or vertical application

## INSTALLATION

### Preparation

Surfaces to be treated should be thoroughly clean and free from standing water. Concrete slabs should have a light steel trowel followed by a fine hair broom or equivalent finish and should be water cured.

Allow a minimum of 24 hours for concrete surface to dry after stopping water cure on decks or removing forms on walls. If release agents are present, they must be removed before application of Volseal 600.

Following good drainage practice, the structural slab should be sloped in accordance with relevant building standards. All shrinkage cracks shall be treated with a 1.5mm coating of Volseal 600, 15cm wide, centred over the crack. Moving structural cracks greater than 1.6mm can be routed out and caulked with Volseal 600 Trowel Grade, stripped with bond breaker tape and coated with 1.5mm of Membrane, or treated with Volseal 600 FLASHING embedded in membrane, centred over the crack. Consult our Technical Department for further details.

At all horizontal-vertical junctures and all projections, a 25mm bead of Volseal 600 Trowel Grade shall be installed. Integral flashing shall be installed to the height indicated on the drawings. At expansion joints and other areas of potential high movement, Volseal 600 DUALFLEX embedded into

the membrane may be required. Consult our Technical Department for specific design details. All detailing must be cured prior to the application of the membrane. Detailing should be wiped clean with Volseal CLEANER 21 prior to the application of the membrane.

**Application**

Volseal 600 can be applied in a single coat up to 3.0mm in a horizontal application at a coverage rate of 3.3 litres per m<sup>2</sup>.

Due to the fact that Volseal 600 is a rapidly curing membrane, a protection course of Volseal VCL3 and/or Voldrain DRAINAGE MAT can be applied after only 4 hours of cure (at 23°C), 50% relative humidity of the final installed membrane layer.

In cases where additional protection is required, a double layer system may be recommended with a layer of Volseal FABRIC REINFORCEMENT laminated into the first coat and encapsulated by the second coat.

**TECHNICAL DATA**

<b>Property</b>	<b>Value</b>
Specific Gravity @ +20°C	1.22
Pot Life +20°C	5 ½ hours
Pot Life + 25	4 hours
Max tensile stress	1.53 MPa
Elongation at break	749.07%
Colour	Black

**SIZE & PACKAGING****Materials Supplied**

Self levelling:	22 litre metal tin
Trowelable:	12 litre metal tin

**SHELF LIFE**

9 months when stored as recommended in original unopened packaging.

**STORAGE**

Volseal 600 should be stored in dry, cool and well-ventilated conditions between +5°C and +25°C. Keep in original container.

**HEALTH & SAFETY**

Avoid inhalation of vapours and contact with skin, eyes and clothing, as Volseal 600 can cause severe allergic reactions.

Always wear protective clothing, safety goggles, gloves and a fresh air respirator if ventilation is insufficient.

Do not apply material in enclosed areas without adequate ventilation. Application should only be carried out by properly trained professional applicators.

Treat splashes to eyes and skin immediately and abundantly with clean water. Consult a doctor when irritation continues.

For full information, consult the relevant Material Safety Data Sheet.

**NOTES**

This data sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee.

Further information is available from our Technical Department.