

VOLSEAL® 600

POLYURETHANE WATERPROOFING MEMBRANE

DESCRIPTION

VOLSEAL® 600 is a single part, rapid curing, modified polyurethane waterproofing membrane that can be applied directly to dry concrete surfaces.

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 dry concrete without the need for priming
- Highly elastomeric – excellent crack bridging performance
- Rapid curing – can be overlaid in as little as 8 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, and coated with 1.5mm of membrane; or treated with STRATABOND embedded in membrane strip, centred over the crack.

At all horizontal-vertical junctures and all projections, install 1.5mm thick strip of VOLSEAL® 600 reinforced with STRATABOND fabric. Integral flashing shall be installed to the height indicated on the drawings. At expansion joints and other areas of potential high movement consult manufacturer for specific details. All detailing must be cured prior to the application of the membrane. Detailing should be wiped clean prior to the application of the membrane.

Application: Apply VOLSEAL® 600 at a rate of 2.1 litres per square meter in a single coat to achieve a 2mm thick membrane on a horizontal application.

VOLSEAL® 600 can also be installed as a 3mm thick reinforced membrane by installing a 1.5mm thick base coat (1.6 litres/sqm) with STRATABOND reinforcement fabric placed into the surface; then encapsulate the fabric with a second 1.5mm thick top coat (1.6 litres/sqm) of VOLSEAL® 600. A protection course and/or AQUADRAIN can be applied after only 8 hours of cure (at 23°C), 50% relative humidity of the final installed membrane layer.

SIZE & PACKAGING

Materials Supplied

15 LITRE DRUM

SHELF LIFE

6 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.

Consult CETCO for any further information.

VOLSEAL® 600

POLYURETHANE WATERPROOFING MEMBRANE

TECHNICAL DATA	
PROPERTY	VALUE
Colour	Black
Solids %	86%
Viscosity at 23°C	Thixotropic
S.G.	1.44
Coverage	2mm coat = 2.1L/m ² 1.5mm coat = 1.6L/m ²
Touch-dry	2 - 3 hours
Typical Over coat time	8 - 24 hours
Tensile Strength	3.5 N/mm ²
Elongation at Break	450%

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