



VOLSEAL CONNECT®

PRE-FORMED MEMBRANE SYSTEM FOR MOVEMENT JOINTS

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DESCRIPTION

VOLSEAL CONNECT is a pre-formed membrane system for waterproofing over joints or cracks where a high degree of movement is expected in both vertical and horizontal applications.

The material is suitable for use on a number of different substrates including concrete, brick, block and metals.

APPLICATIONS

VOLSEAL CONNECT is used to ensure continuity of waterproofing over joints or cracks in structures such as:

- Water reservoirs
- Water towers
- Tunnels
- Basements

ADVANTAGES

- Proven high-performance system
- Approved for contact with potable water
- Can be applied in damp conditions
- Resistant to UV light, ozone and a wide range of chemicals
- Suitable for horizontal and vertical joint/cracks

INSTALLATION

Surface Preparation

Concrete and masonry surfaces should be mechanically abraded to maximise adhesion. It is essential that all surfaces are clean, free from dust, oil, grease and any other contaminants that may affect the adhesion adversely. All metal surfaces should be abrasive blasted to SA2½.

Joints or cracks in concrete, brick or block subject to active water ingress must be prepared and repaired with CETCO AQUAPLUG.

Damaged concrete should be repaired with a suitable concrete repair product.

Allow time for the repair products to cure before proceeding to the next stage.

Apply masking tape centrally over the joint/crack and at the outer edges of the area that is to receive the VOLSEAL CONNECT ADHESIVE. The minimum width for spreading the adhesive should be the membrane width plus a minimum of 5mm on each side.

Application

With a clean spreader, or suitable trowel, apply VOLSEAL CONNECT ADHESIVE to an approx depth of 2mm.

Centrally position the VOLSEAL CONNECT Membrane onto the VOLSEAL CONNECT ADHESIVE pushing it firmly with a spatula, or broad knife, to remove trapped air.

Ensure the edges of the VOLSEAL CONNECT Membrane are fully sealed by extending the VOLSEAL CONNECT ADHESIVE on to the top of the membrane by a minimum of 10mm.

Curing

Full hardening of VOLSEAL CONNECT ADHESIVE is generally achieved after 2 to 3 days dependent upon the ambient temperature.

CLEANING

Immediately after use, all tools and equipment can be cleaned using a suitable solvent. Please note the solvent should *not* be used in a confined space or where spillages could come into contact with potable water.
Hardened adhesive can only be removed mechanically.

LIMITATIONS

Do not apply to frozen substrates or if the ambient temperature is below 5°C or expected to fall below 5°C within 24 hours.

TECHNICAL DATA

Density, kg/m ³	1700
Tensile Strength (BS 2782: Pt. 3) Method 320A: 1976 (1986)), N/mm ²	8.7
Water vapour permeability (ASTM E96), g/m ² /24h	0.69
Weather resistance (SIA 280), 10,000 Hours	No deterioration
Elongation at break (BS 2782: Pt3: Method 320A: 1976 (1986)), % minimum	
1mm thickness	400
2mm thickness	500
Tear resistance	
1mm thickness	24N
2mm thickness	40N

SIZE & PACKAGING

Materials Supplied

VOLSEAL CONNECT membrane is available in 100mm width rolls of 25 linear metres or 200mm width rolls of 20 linear metres.
VOLSEAL CONNECT ADHESIVE is a 2 component 5 kg unit.

Coverage

Membrane width, mm	linear metres/kg
100	1.8-2.5
200	1.0-1.4

Coverage may vary dependent on substrate profile and condition

SHELF LIFE

Rotate stock in order not to exceed the shelf life of 12 months for adhesive and 24 months for membrane.

STORAGE

All materials are to be stored under cover, clear of the ground in dry, frost-free conditions. VOLSEAL CONNECT Membrane rolls must be stacked on end no more than 4 boxes high.

HEALTH & SAFETY

Avoid contact of the material with skin and eyes.
Wear appropriate gloves, overalls and eye protection during use.
Please refer to Material Safety Data Sheet for additional information.

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.