



TWINSEAL COMPOUND GR

Gas resistant
waterproof sealing compound



TWINSEAL COMPOUND GR



LIQUID
MEMBRANE



WATER
RESISTANT



GAS
RESISTANT



RADON
RESISTANT



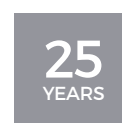
VOC
RESISTANT



BDA
CERTIFICATE



UK
CONFORMITY



PRODUCT
WARRANTY

DESCRIPTION

TWINSEAL COMPOUND GR is a two part epoxy-based sealing compound, resistant to Water, Gas, Radon and VOCs.

It is formulated to provide an enhanced seal when used around penetrations or challenging detailing areas. It is designed for a variety of surface preparations and waterproofing sealing details when using PREMCRETE Membrane Systems.

Once applied, the TWINSEAL COMPOUND GR will form an impermeable chemical-cured connection to a wide variety of substrates.

ADVANTAGES

- Provides an effective watertight seal at difficult junctions and interfaces.
- Produces an effective seal between otherwise incompatible membranes.
- Also resistant to Gas, Radon and VOC vapours.
- Easily applied by brush or trowel.
- Its thixotropic consistency ensures ease of application to most substrates.

USES

TWINSEAL COMPOUND GR is suitable for application onto structural concrete and masonry.

It is used for creating a waterproof seal around penetrations through PREMCRETE Membrane Systems and other challenging and complex junctions, where it is important to maintain the integrity and continuity of the membrane.

It is particularly suitable for sealing membranes to waterproof and gas resistant coatings where the use of a lap tape is not suitable.

PROCEDURE

Surface Preparation: Surfaces to receive TWINSEAL COMPOUND GR should be dry and free from dust, dirt, grease, and other deleterious materials. All loose material should be removed. If TWINSEAL COMPOUND GR is to be applied to a waterproof coating, then the coating should be hardened before application of the TWINSEAL COMPOUND GR.

Mixing: The contents of the curing agent component should be put into the base component tin and mixed thoroughly using a slow speed drill and paddle mixer until a homogeneous mix is achieved, which is uniform in colour and consistency. Special care should be taken to ensure that packs are not part mixed.

Application: When sealing between PREMCRETE Membrane Systems and a protruding pile head or pile cap interface, the membrane should be cut tightly to the profile of the concrete.

TWINSEAL COMPOUND GR is then applied by brush as a 3 x 100mm application with 50mm connection onto the geotextile fleece of the membrane and 50mm onto the pile interface. Trowel finishing of the TWINSEAL COMPOUND GR is also acceptable but care should be taken to ensure over application is limited.

Equipment Cleaning: Equipment should be cleaned using Premcrete Cleaning Solvent.

TECHNICAL & PERFORMANCE PROPERTIES

Properties	Test Method	Value
Mechanical Damage – Static Indentation	EAD 030350-00-0402 Clause 2.2.7.2 & Annex 4.4	Pass/Watertight
Mechanical Damage – Dynamic Indentation	EAD 030350-00-0402 Clause 2.2.7.2 & Annex 4.3	Pass/Watertight
Tensile Properties	EN ISO 527-1 & EN ISO 527-3	Mean Max stress: 6.68N/mm ² Mean Tensile Modulus: 257N/mm ²
Resistance to ageing (Water)	EAD 030350-00-0402 Clause 2.2.10.1	Pass
Resistance to ageing (Water)	EAD 030350-00-0402 Clause 2.2.10.3	Pass
Watertightness	EN 1928 B	Pass @ 60KPa
Water Vapour Transmission	EN 1931 Method B	6.69×10 ⁻⁹ kg/m ² ·s
Adhesion strength – pull off test	EN 1542	3.584 MPa
Reaction to Fire	EN 13501-1	Class E
Methane Permeability	ISO 15105-1	3.5ml/m ² /24Hr
Carbon Dioxide Permeability	ISO 15105-1	25ml/M2/24Hr 3.3ml/m ² /24Hr
VOC Resistance	ISO 15105-2	Pass

Independent VOC Permeability Data Available upon request

COVERAGE

Pack Size: 5kg

Yield: 3.5ltrs

Coverage: 10LM when applied as a typical 3mm x 100mm.

STORAGE & SHELF LIFE

TWINSEAL COMPOUND GR should be stored in dry conditions at temperatures between 8°C and 30°C.

Unopened containers have a shelf life in excess of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.

