TECHNICAL DATA SHEET

# TWINSEAL COMPOUND GR




## Gas resistant waterproof sealing compound

PREMCRETE

# TWINSEAL COMPOUND GR






TYPE A
LIQUID MEMBRANE

WATER RESISTANT

GAS RESISTANT

RADON RESISTANT

VOC RESISTANT

BDA CERTIFICATE

UK CA
UK CONFORMITY

25 YEARS
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.

## 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.

## 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.

# TWINSEAL COMPOUND GR

## TECHNICAL & PERFORMANCE PROPERTIES

| Property | 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$^2$<br>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/m²·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/m²/24Hr |
| Carbon Dioxide Permeability | ISO 15105-1 | 25ml/M2/24Hr 3.3ml/m²/24Hr |
| VOC Resistance | ISO 15105-2 | Pass |

Independent VOC Permeability Data Available upon request

## INSTALLATION 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.

# TWINSEAL COMPOUND GR

## PACKAGING & 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 Data Sheet.

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