

KEY BENEFITS SUMMARY

- Single component, cold-applied fully bonded membrane
- 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
- Self levelling and trowelable grades available - suitable for horizontal or vertical application

PRODUCT INFORMATION

Description

Tremproof 250 GC is a single part, rapid curing, modified polyurethane waterproofing membrane that can be applied directly to green or damp concrete surfaces. Available in self levelling and trowelable grades.

Uses

Tremproof 250 GC is typically used on podium decks, green roofs, plazas, parking decks and roof terraces. The system is also used for waterproofing foundation walls, landscaped areas, planter boxes, tunnels, etc. Suitable for use on concrete, wood, metal and masonry surfaces.

Packaging

Self Levelling: 20 litre metal tin
Trowelable: 12.5 litre metal tin

Colour

Black

Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details).

TECHNICAL INFORMATION

Composition

Tremproof 250 GC is a single part modified polyurethane resin.

Characteristics (Typical Values)

SPECIFIC GRAVITY (@ +20°C)
1.22

POT LIFE
+20°C 5½ hours
+25°C 4 hours

MAX TENSILE STRESS
1.53 MPa

ELONGATION AT BREAK
749.07%

USAGE GUIDELINES

Surface Preparation & Detailing

Surface to be waterproofed must be 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 the application of Tremproof 250 GC.

Following good drainage practice, the structural slab should be sloped in accordance with relevant building standards. All shrinkage cracks shall be treated with a 1.5 mm coating of Tremproof 250 GC, 15 cm wide centered over the crack. Moving structural cracks greater than 1.6 mm can be routed out and caulked with Tremproof 250 GC Trowel Grade, stripped with bond breaker tape and coated with 1.5mm of Membrane, or treated with Tremco Dualflex embedded in membrane, centered over the crack. Consult Customer Services for further details.

At all horizontal-vertical junctures and all projections, a 25 mm bead of Tremproof 250 GC 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, Tremco Dualflex embedded into the membrane may be required. Consult Customer Services for specific design details. All detailing must be cured prior to the application of the membrane. Detailing should be wiped clean with Cleaner C21 prior to the application of the membrane.

Application Instructions

Horizontal Installation

Tremproof 250 GC can be applied in a single pass up to 3.0 mm in a horizontal application at a coverage rate of 3.3 litres per m².

Due to the fact that Tremproof 250 GC is a rapidly curing membrane a protection course of Tremco VCL 3 and/or Tremproof Drainage Mat can be applied after only 4 hours of cure (at 23°C), 50% relative humidity of the final installed membrane layer.

Tremproof 250 GC

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

Vertical Installation

Apply in a single coat of Tremproof 250 GC at a rate of 3.0 mm with a coverage rate of 3.3 litres per m²

Due to the fact that Tremproof 250 GC is a rapidly curing membrane a protection course of Tremco VCL 3 and/or Tremproof 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 Tremproof Fabric Reinforcement laminated into the first coat and encapsulated by the second coat.

Health & Safety Precautions

Product Health and Safety Data Sheets must be read and understood before use.

Storage

Store in dry shaded conditions between +5°C and +25°C.

Shelf Life

9 months when stored as recommended in original unopened packaging.

Technical Service

Tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee / Warranty

Tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco illbruck written instructions and (b) in any application recommended by Tremco illbruck, but which is proved to be defective, will be replaced free of charge.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. Tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.