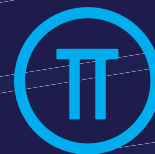


PIRASEAL CB

TWO-PART CEMENTITIOUS WATERPROOFING MEMBRANE



DESCRIPTION

Piraseal CB is a highly flexible, two-part, rapid drying, cementitious waterproofing membrane, specifically designed for use under ceramic and stone tile finishes in bathrooms, balconies, roofs and some swimming pools.

Piraseal CB combines the fast drying and excellent adhesion characteristics of traditional two-part membranes with the outstanding toughness, elongation and flexibility of next generation acrylic waterproofing membranes. It is UV resistant and is suitable for light (maintenance) traffic.

Piraseal CB has excellent adhesion to concrete, cement render and most common Fibre Cement sheeting types. Piraseal CB is to be used in conjunction with Piraseal Elastoband or Piraseal Butyl Tape for maximum performance and ease of application.

FEATURES/BENEFITS

- Class II membrane in accordance with AS 4858 and AS 4654.1
- UV resistant
- Suitable for light foot traffic
- Fast Curing
- Compatible with a wide range of tile adhesives
- Permanently flexible
- Completely resistant to re-emulsification
- Excellent adhesion to a wide variety of substrates
- Suitable for spray applications

TYPICAL APPLICATIONS

It is recommended for bathrooms, laundries, balconies, rooftops, swimming pools, planter boxes, retaining walls, non-potable water tanks and waterproofing of areas subsequently covered by ceramic and stone tiles or resilient floor coverings.

PERFORMANCE DATA AND PHYSICAL PROPERTIES

Performance data and physical properties @23°C & 55% RH.

- Allow 2-4 hours between coats.
- Allow 72 hours drying prior to installing Piraetec Drainage Cell.
- Allow 7 days drying for swimming pools.
- Allow 10 day drying with forced ventilation for water tanks.

Wet Form

- Appearance.....Travertine
- Mix Ratio.....1:1
- S.G. of mixed product.....1:40

SUBSTRATES

Piraseal CB is suitable for concrete, render, screeds, block work, fibre cement sheeting, wet area grade plasterboard, PAA certified structural and marine plywood and lightweight structural fibre cement sheeting.

Always contact the manufacturer if there is any doubt about the suitability of the substrate.

PREPARATION

All surfaces to be waterproofed must be firm, clean, dry, sound and smooth. All laitance, grease, oil, wax, curing compounds, loose material, paint and any other contaminants which may reduce or prevent adhesion must be mechanically removed. Masonry surfaces must be pointed flush and surface defects repaired.

New concrete must be cured for a minimum of 28 days.

Render, cement screeds and core-filled block work must be cured for a minimum of 7 days.

Fibre cement sheeting, water resistant plasterboard, PAA structural and marine plywood and lightweight structural fibre cement sheeting must be installed in accordance with the manufacturers' installation requirements.

Piraseal CB requires a suitable detailing system for all horizontal and vertical transitions. For optimal performance incorporate Piraseal Elastoband or Piraseal Butyl Tape at all transitions.

Piraseal CB is suitable for use in concrete and masonry swimming pools, provided they are rendered and then primed using Piracoat WBE-S two-part epoxy primer.

On retaining walls and in all planter box applications, Piraetec Drainage Cell must be installed to the entire waterproofed area, once the membrane has fully cured.

CRACK TREATMENT

Piraseal CB cannot span gaps. For dynamic cracks/expansion joints and control joints, the use of the Piraseal Elastoband or Piraseal Butyl Tape systems are recommended.

Contact the Piraetec Technical Department for further advice.

PRIMING

Dry porous substrates must be primed with Piraseal Primer WB or Piraseal Primer S. Damp substrates with a RH of <75% must be primed with Piracoat WBE.

Lightweight structural fibre cement sheeting must be primed with Piracoat WBE or Piracoat WBE-S. Non-porous substrates, such as metals or PVC must be primed with Piraseal Primer NP.

Apply the primer to the prepared substrate using a brush or roller in accordance with the relevant product's Technical Data Sheet. Allow primers to fully dry prior to commencing the application of Piraseal CB.

MIXING

Add 10 litres of Piraseal CB Liquid to a 20L bucket. Slowly add one 10kg bag of Piraseal CB Powder while stirring with an appropriate mechanical mixer. Continue to stir until the mixture is lump free, and until a homogenous mix is obtained. Allow the mixture to slake for 5 minutes and restir.

If required, the mixture may be remixed every 20 – 30 minutes, however product that has been mixed and allowed to stand for longer than 2 hours, or has become very thick, should be discarded.

APPLICATION

Piraseal CB must be applied in accordance with the applicable provisions of the National Construction Code.

Using a brush, roller or airless spray, apply the first coat of Piraseal CB after the primer has sufficiently dried. Apply an even and consistent coat of approximately 0.60mm wet film thickness.

Once the first coat has dried (4-8 hours), apply a second coat of Piraseal CB at right angles to the first coat. Apply an even and consistent coat of approximately 0.60mm wet film thickness.

Piraseal must be applied with a minimum of two coats to achieve a dry film thickness of not less than 1.0mm (1000 microns). Test the depth of coats with a wet film thickness gauge at regular intervals during installation.

Note: Retaining walls and planter box applications will require Piraetec Drainage Cell to be installed to the entire waterproofed area, once the membrane has fully cured.

LIMITATIONS

Do not apply Piraseal CB:

- Over damp, wet or contaminated substrates
- If it is raining or if rain is imminent
- Directly over any existing coatings
- Directly to particle board flooring (Ceramic tile underlay must be installed)
- As a high wear surface for foot or vehicle traffic
- Where ambient or surface temperatures are below 10°C or greater than 40°C
- To areas subject to negative hydrostatic pressure or rising damp

To reduce the possibility of surface contamination, it is recommended that tiling be carried out as soon as the membrane has cured.

COVERAGE

1.2 litres per m² at 1mm dry film thickness (23m² per kit).

The coverage figures are theoretical due to wastage and depending on the porosity and profile of the substrate, coverage figures may be reduced.

PACKAGING

Piraseal CB is supplied in 40kg kits (20 litre liquid and 2 x 10kg powder).

CLEAN-UP

Tools and minor spills can be cleaned with water while product is still wet. Cured Piraseal CB can be cleaned by mechanical means.

SHELF LIFE

Unopened pails can be stored for up to 12 months in a cool, dry and weatherproof environment. If stored at high temperatures, the shelf life may be reduced.

SAFETY

Please refer to Material Safety Data Sheet (MSDS) for personal protection, proper handling, storage, first aid and spills.

The technical information and application advice given in this Technical Data Sheet is based on the present state of Piraetec Pty Ltd's best scientific and practical knowledge and is intended to give a fair description of the product and its capabilities. As the information contained herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by law. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the product's suitability for a particular application and that the product is not used beyond its physical limitations. The user is responsible for checking the suitability of products for their intended use.

Field service where provided does not constitute supervisory responsibility. Suggestions made by Piraetec either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Piraetec, are responsible for carrying out procedures appropriate to a specific application.

Date of issue: November 2024

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