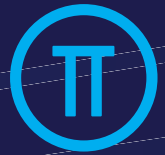


PIRASEAL WB-FC

FAST CURING, WATER BASED

WATERPROOFING MEMBRANE



DESCRIPTION

Piraseal WB-FC is a waterborne, flexible waterproofing membrane, utilising next generation, self-crosslinking technology, which enables the membrane to achieve cured properties rapidly. Piraseal WB-FC is designed for use under tiles in internal and exterior applications.

FEATURES/BENEFITS

- Class III in accordance with AS/NZS 4858 and Class II with AS 4654.1
- Heavy duty applications
- Fast curing
- Low VOC
- Compatible with a wide range of tile adhesives
- Permanently flexible
- Completely resistant to re-emulsification (when fully cured)
- Excellent adhesion to a wide variety of substrates

TYPICAL APPLICATIONS

It is recommended for bathrooms, laundries, balconies, podium decks, terraces, rooftops, and waterproofing of areas subsequently covered by ceramic or stone tiles.

PERFORMANCE DATA AND PHYSICAL PROPERTIES

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

- Allow a minimum 4 hours between coats.
 - Allow 24 hours after the final coat before tiling.
 - Piraseal WB-FC will dry to a solid grey colour when fully cured. This will indicate the membrane is fully cured ready for flood testing.
 - Allow longer times in cool or damp weather conditions.
- (NOTE: At temperatures lower than 23°C the curing time will be significantly reduced).

Wet Form

- Appearance..... Grey
- Dry solid content..... > 60%
- VOC..... 0.08grams/litre

Cured Membrane

- Elongation..... > 300%
- Water vapour transmission..... 0.14g/M²/24hrs

SUBSTRATES

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

Always contact the manufacturer if in 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 and cement screeds must be cured for a minimum of 7 days.

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

Piraseal WB-FC requires a fillet (bond breaker) using Piraseal HS or Piraseal MS sealant at all horizontal and vertical transitions.

For optimal performance, incorporate Piraseal Elastoband or Piraseal Butyl Tape at all transitions.

STATIC CRACK TREATMENT

For cracks less than 1mm, clean cracks thoroughly before filling with Piraseal HS or Piraseal MS.

Piraseal WB-FC cannot span gaps. For dynamic cracks/expansion joints and control joints, the use of Piraseal Elastoband or Piraseal Butyl Tape systems is recommended. Contact the Piraelec 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 by using a brush or roller in accordance with the relevant product's Technical Data Sheet. Allow the primer to fully dry prior to commencing the application of Piraseal WB-FC.

APPLICATION

Piraseal WB-FC must be applied in accordance with the applicable provisions of the National Construction Code.

Prior to application, stir the contents thoroughly. Using a brush or roller, apply the first coat of Piraseal WB-FC after the primer has fully dried. Apply an even and consistent coat of approximately 750 microns wet film thickness.

Once the first coat has dried, apply a second coat of Piraseal WB-FC at right angles to the first coat. Apply an even and consistent coat of approximately 750 microns wet film thickness.

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

LIMITATIONS

Do not apply Piraseal WB-FC:

- 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 an exposed membrane
- As a wear surface for foot or vehicle traffic
- Where ambient or surface temperatures are below 10°C or greater than 35°C
- To areas subject to negative hydrostatic pressure or rising damp
- To areas of continuous immersion such as swimming pools, ponds, water features or water tanks

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

COVERAGE

Approx. 1.5 litres per M² at 1mm dry film thickness (10M² per drum).

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

PACKAGING

15 litre plastic pails.

CLEAN UP

Clean tools and equipment with warm water and detergent while the membrane is still wet. Cured Piraseal WB-FC can only be removed by mechanical means.

SHELF LIFE

12 months if stored in unopened sealed containers, when kept in a cool, dry storage area. 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: October 2024

Piraetec Pty Ltd | PO Box 6130 Silverwater NSW 2128 | info@piraetec.com.au