

Water-Tite 102

Flexible Cementitious Waterproofing

Product Description

It is a two component, flexible cementitious waterproofing membrane. It consists of selected cement blend with well-graded fillers and synthetic resin. PIONEER PRO Water-Tite 102 is capable of bridging hairline cracks.

Key Features

- No primer required and can be applied to damp substrates
- Elastomeric - able to bridge cracks
- Factory pre-blended two-component system that ensure quality control at site
- Excellent adhesion to most substrates
- Algae and fungus resistant
- Durable and weather resistant



Applications

- Canopy
- Balcony
- Roof deck
- Basement walls (positive side)
- Concrete gutter
- Toilets and baths
- Plant boxes
- Kitchen

Application Procedure

Surface Preparation: The substrate must be clean and sound, free of dust and loose particles. Laitance, oil, grease, mould release agents or curing compound must be removed from concrete surface by using wire brush or other means. Ensure sufficient gradient to allow water to run off. It is recommended that a cement and sand fillet be formed on all corners to receive the waterproofing membrane. Dampen the substrates before applying PIONEER PRO Water-Tite 102.

Method

Mixing. Pour liquid part and add powder part into a container. Mix it for 5 minutes until homogeneous and lump free and re-stir manually before use.

Application. For horizontal and vertical surface, a roller or a brush maybe used to apply the slurry. Care must be taken to ensure that air is not entrapped in the

Product Specifications / Typical Properties / Physical Characteristics

Table 1: Physical Properties (Uncured)*

Parameters	Results
Product Type	Cementitious modified copolymer
Mix Components	Part A: Milky-white liquid Part B: Gray powder
Mix Ratio, by weight (Powder: Liquid)	1:2 - 1:3.5
Mixed Color	Gray
Pot life at 30°C	Approximately 1 hr
Tack-free Time	Approximately 2 hrs
%Solid of Liquid Part	40 - 45%
Viscosity @29°C, cps	40 - 100 cps
pH of Liquid Part	6 - 8
Coverage	2.5 - 3.0 m ² at two (2) coats

Table 2: Physical Properties (Cured)*

Parameters	Results
Adhesion on Concrete, psi	215 (substrate-failure)
Tensile Strength, N/mm ²	1.20
%Elongation	45%
Water Absorption Test, 3 days	4.7%
Water Ponding Test	No water ingress

*Typical data only. Information on this data should not be used for writing specifications.

membrane. Apply the first coat and work generously to fill all the pores and honeycombs. Allow the membrane to dry approximately 2 to 3 hours prior to application of a second coat. The second coat must be applied crosswise. After applying the second coat of PIONEER PRO Water-Tite 102, allow a minimum curing time interval of 15-72 hours before laying the screed and commencing pond test.

Cleaning. Clean all tools or equipment used while coating is still in its uncured state. Use water to clean tools and spills. Use lacquer thinner to clean cured liquid part of Water-Tite 102 on tools and equipments.

Packaging

4.54 Kg Kit

Storage

Keep container tightly sealed. Store in a cool and dry place away from rain and direct sunlight

Shelf Life

12 months

Health and Safety Precautions

PIONEER PRO Water-Tite 102 should be treated with care. Gloves and goggles should be worn. Any contact to the skin or eyes should be washed off with clean water. Powder products should be handled to minimize dust formation. PIONEER PRO Water-Tite 102 is non-flammable.

KEEP OUT OF REACH OF CHILDREN.

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