



SOLUTIONS FOR INDUSTRY

Miracryl 2-Part

Waterproofing Membrane

Characteristics:

- ž Miracryl 2-Part is a high aluminate cement/acrylic, 2-part flexible waterproofing and sealing membrane.
- ž It is a rapid curing, high build product.
- ž It is ideal for waterproofing wet areas, shower recesses, balconies, terraces, water tanks, swimming pools etc. and will handle limited flexural movement.
- ž Miracryl 2-Part can be applied to: Concrete, Rendered Brickwork, Block work, Fiber cement sheet, Gypsum Board, Particle Board, and Plywood.

Preparation:

- ž All surfaces must be free of oil, dust, wax, curing compounds, release agents, paint etc. and any protrusions that may penetrate the membrane.
- ž They should be dry and free from excessive movement.
- ž Ensure all concrete surfaces have had sufficient cure time prior to coating, and that all other surfaces are fixed in accordance with manufactures specifications and relevant standards.
- ž All screw and nail heads must be sealed with epoxy or other permanent protection to prevent "popping", and all sheet joins must be covered with a 50 mm wide bond breaker tape.
- ž Metal surfaces must be rust free and primed with Zinc Chromate etch primer.
- ž All other surfaces must be primed with a minimum of one coat of Miracryl Primer. Very absorbent surfaces will need 2 or more coats of primer.
- ž Small hairline cracks (up to 1 mm) may be filled with the first coat of Miracryl 2-Part. Larger cracks (up to 2mm) or structural shrinkage cracks/joints must be firstly filled with a flexible sealant, and then covered with a 50 mm wide bond breaker tape, followed by Miracryl 2-Part, reinforced with 100mm wide bandage.
- ž Apply bond breaker sealant to all wall/floor and wall/wall junctions.

Mixing:

- ž Mix the appropriate amount of powder/liquid allowing a minimum of 600-700 ml of mixed product/m² for each coat.
- ž Add powder to liquid (at ratio of 2 kg powder/1.2 kg liquid) while stirring, and mix to a lump free smooth consistency.
- ž Allow to stand 10 minutes, and then re-stir prior to using.

Application:

- ž Apply Miracryl 2-Part to the primed surface using a thick brush, roller or flat trowel to achieve an even coat.
- ž Once the first coat is touch dry (about 40 minutes at 20°C), apply the second coat at 90° angle to the first coat.
- ž Inspect the area for any pinholes (recoat if necessary), and allow 6-8 hours (at 20°C) curing, prior to commencement of tiling.

Clean up:

- Excess Miracryl 2-Part, on tools and other equipment can be cleaned using water, while the product is still wet. Once dry/cured, it will be difficult to remove without mechanical means.

Coverage:

- The coverage of Miracryl 2-Part will vary depending upon the substrate, size and type of application and site conditions. As a guide mixed product approx. 1.5L/m² (2 coats).
- Kit 12L/20 kg approx. 15m².

Packaging/ Shelf Life:

- Miracryl 2-Part is available in a 12L/20 kg Kit. The bagged powder compound will have a shelf life of approximately 12 months if stored in a cool, dry environment. The liquid will store for 2 or more years under similar conditions.

Handy Tips:

- Miracryl 2-Part is fast setting (recoat 30-60 minutes), allowing waterproofing and tiling to proceed much more rapidly than conventional systems.
- Because it chemically reacts, Miracryl 2-Part can be used at lower temperatures than other "paint on" systems.
- Miracryl 2-Part is classified as a non-hazardous product.
- For a full MSDS on this product contact your nearest RLA office.

Technical Data:

Properties	Results
Appearance	Grey Paste (Black when dry)
Viscosity	Brushable/ rollerable when mixed
Optimum thickness	1.2-2.0 mm dry film thickness
Drying time @ 20°C	(Between coats) 30-60 min, (before tiling) 6-8 hrs
Full cure	7 days
Application temperature	5°C-35°C
% elongation at break	103%
Tensile Strength	1310kPa
Crack Bridging	Up to 2 mm (reinforced)

The information supplied is to the best of our knowledge true and accurate. The actual application of the product is beyond the manufacturer's control. Any failure or damage caused by the incorrect usage of the product is not the responsibility of the manufacturer. The manufacturer insist that all workmanship must be carried out in accordance with AS3958 part 1 1991. It is also the responsibility of the end user to ensure that the literature in their possession is the latest issue.