

# DUROPOND BLACK



## DESCRIPTION

Duropond Black is a Water based Class III membrane based on heavy duty SBR compound and well balance particle size distribution of tough inert fillers that will provide a seamless watertight membrane for waterproofing ponds, water features and areas under permanent wet conditions.

## FEATURES

- Fast drying and easy to repair
- Water-based, pre-mixed -ready and easy to use and easy clean up
- Environmentally friendly – low VOC
- Good crack bridging properties and permanent flexible to accommodate structural movement
- Excellent water resistance
- Excellent adhesion to substrate

## USES

- Ponds
- Ornamental water features
- Tanking

## LIMITATIONS

- Not to be used directly to impervious or non-porous substrates.
- Not suitable for use in chlorinated water
- Cannot be used to areas directly exposed to sunlight.
- Cannot be applied over damp or wet substrates.
- Not suitable for negative head of water pressure.

## COLOURS

- Black

## TECHNICAL INFORMATION

<b>Appearance</b>	Heavy thick and high viscous liquid membrane
<b>Odour</b>	mild
<b>Solid content (weight)</b>	61%
<b>Solid content (volume)</b>	56%
<b>Density</b>	1.243 kg/li
<b>Dry to handle per coat (@22°C / 50% RH)</b>	60 minutes
<b>Recoat time per coat (@22°C / 50% RH)</b>	3 - 4 hours
<b>VOC (calculated)</b>	5.065 g/l
<b>Shore "A" hardness</b>	Approx. 70
<b>Elongation</b>	400%
<b>Tensile Strength</b>	1.0 MPa
<b>Membrane Rating</b>	Class 3
<b>Flammability</b>	Non-flammable

## SUITABLE SUBSTRATES

- Concrete
- Cement Render
- Brickwork
- Blockwork

## PACKAGING

- Available in a 4L, 15L pail



## COVERAGE

Coverage rate will depend on the porosity of the substrate. Minimum of Two coats are recommended to get the optimum performance

Minimum 1.0 m<sup>2</sup>/li per coat applied at minimum 1000 um wft

## SHELF LIFE

Approximately 12 months in unopened containers stored in a cool, dry place.

## SURFACE PREPARATION

- Surfaces must be clean, dry and free from voids, laitance, grease, oil, wax, curing compounds, coatings, adhesive residues or any loose contaminating material.
- New Concrete substrates must be allowed to cure for a minimum of 28 days while renders and screed must have cured for 7 days. Concrete substrates must not contain moisture greater than 4.5%. Use Tramex CME 4 Moisture Meter. Additional concrete testing may be required depending on concrete construction and jobsite location.
- If minor consolidation is required, apply one coat of 1:1 dilution of Duropond and water and allow to dry.
- If pond or water feature is in-ground, 2 coats of 2K Moisture barrier primer, Duromix Hibuild WBE, must be used to seal concrete slabs subject to a hydrostatic head of pressure from the negative side. Moisture Barrier primer must be clean, dry and smooth immediately prior to membrane application.
- A reactive mineral primer/sealer must be applied as a primer coat on all applications to porous or semi porous cementitious substrates that requires greater amount of surface consolidation.

Membranes should not be applied until substrates suitability has been assessed and all preparation steps have been completed.

## MIX PREPARATION

It is a premix product and ready to use.

However, if products have been stored longer, condensation may occur. Stir contents thoroughly before and during use.

## APPLICATION

Apply membrane according to the recommended coverage rate with paintbrush or roller. Allow the first coat to dry for a minimum of 2 hours and a maximum of 6 hours, at temperatures of 22°C and above but below 35°C before recoating. Longer drying times will be required at lower temperatures. Drying times will vary depending on humidity, surface temperature and porosity of substrates.

## CLEAN-UP & RETURN TO SERVICE

Water can be used to clean up excess product, spills and tools while product is wet. When fully cured, tools and spills can be only removed mechanically.

## HEALTH & SAFETY PRECAUTIONS

- Duropond Black is a non-hazardous and non-dangerous product.
- The Safety Data Sheet (SDS) must be read and understood prior to use.

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## DUROTECH INDUSTRIES



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