Dribond
CONSTRUCTION CHEMICALS

Hydrathane

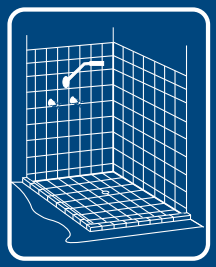
Water-based, polyurethane waterproofing membrane

Packaging

Mixing

Application

Uses



Substrates

Concrete,
Building boards,
Brick, Block,
Render,
Cement sheet,
Flooring

Description

A one-part, water-based, polyurethane waterproofing membrane which is flexible, tough and fast curing (capable of drying in 6-12 hours @ 23°C @ 50% relative humidity). The cured membrane will remain tough, elastic and can bridge and seal hairline cracks.

Uses

A waterproofing membrane for internal wet areas e.g. bathrooms, showers, laundries, tiled or screeded roof tops, balconies and below ground applications e.g. retaining walls and planter boxes (subject to protection from damage and adequately drained) on concrete, render, screeds and approved wet area floor and wall building boards. i.e. compressed cement sheet, fibre cement sheeting and wet area plasterboard.

Features

- Waterproof and tile in the same day
- A tough elastic membrane
- UV stable
- Suitable for maintenance foot traffic
- Compatible with **Construction Chemicals** ceramic tile adhesives
- Does not stain tile grout or marble
- Fast drying - trafficable after 6-12 hours

Coverage (Approximate)

Floors – Apply two wet coats 0.8mm (800µm) to the floor and 100mm up the surrounding walls to obtain a 1mm (1000µm) dry film thickness. A 15 litre pail covers 10m^2.

Walls – Apply two wet coats 0.5mm (500µm) to obtain a 0.6mm (600µm) dry film thickness. A 15 litre pail covers 15m^2.

Performance Data

Conforms to AS/NZS 4858 Class 3 membrane

Tensile Strength (AS/NZS 4858) 2.20MPa

Elongation 468%

Modified CSIRO Moving Joint Test pass

Specification

The waterproofing membrane shall be a one-part water-based polyurethane compound with a tensile strength of 2.2MPa and 468% elongation such as **Hydrathane**, manufactured by **Construction Chemicals** and shall be applied in accordance with AS3740 and AS4654.2, local building codes, the manufacturer's instruction and good trade practice.

Surface Preparation

The surface to be waterproofed must be structurally sound and free from dirt, dust, grease, paint, wax, laitance and all other contaminants. Protrusions that can puncture the membrane must be ground flat. Holes and voids shall be filled with **Patch & Anchor**. Building boards must be installed in accordance with the manufacturer's instructions and local building codes. Cracks and junctions in building surfaces shall have a bond breaker tape or silicone applied evenly over the junction or crack prior to the membrane application (to accommodate extremes of movement). New concrete should be wood float finished and allowed to cure for 28 days. Steel float finished concrete, renders and screeds, must be mechanically abraded to remove laitance. Old concrete must be cleaned with a strong detergent/degreaser to remove contaminants then thoroughly washed and allowed to dry. All porous substrates, cement sheet and gypsum board must be primed with **Primebond** to prevent excessive moisture draw from the membrane. Metal surfaces, nail and screw heads, must be free of rust and primed with a rust inhibiting primer. All waterproofed floors, roofs and balconies shall be sloped to a drain outlet in conformity with AS3740 and external AS4654.2 and relevant local building codes. As a guide a 1:60 fall for wet areas and 1:100 fall for roofs and balconies.

Bond Breaker and Reomat

At the junction/joints in building surfaces i.e., floors/walls/walls, wastes etc., apply centrally over the junction, bond breaker tape or a 13mm bead of neutral cure silicone (allow to become touch dry). Apply a 150mm wide thick coat of waterproofing membrane centrally over areas where the bond breaker is applied. Reinforce the wet membrane with 140mm **Reomat** to guarantee its thickness and performance.

Membrane Application

Apply the membrane in accordance with AS3740 and AS4654.2 and local building codes and good trade practice. Prime concrete and building boards with **Primebond**. Apply two coats of **Hydrathane** with a brush or roller. Apply thickly allowing it to flow rather than brush to achieved required thickness. Apply the second coat at 90° to the first (recoat time is approximately 2 hours @ 23°C @ 50% relative humidity) on floors and 100mm up surrounding walls apply two wet coats 0.8mm thick and on walls two wet coats 0.6mm thick. Apply the membrane down the front edge of balconies to the drip mould and down into drains and outlets and remove excess material. Apply a third coat if necessary to obtain the required thickness in critical areas i.e. over the bond breaking tape, cracks and building junctions.

Curing

1 day @ 23°C @ 50% relative humidity.
Colder temperatures will increase cure time.

Pond Test

If a ponding test is required, ensure the membrane is allowed to cure for a minimum of 1 day before pond testing.

Tiling

Apply tiling directly to the cured membrane with **Drymastic**, **Duraflex**, **Gripflex**, **Hydralite**, **Kemflex 2:1** or **Monoflex**. Tiling can commence after 4-6 hours @ 23°C @ 50% relative humidity, longer in cooler conditions.

Precautions

- **Hydrathane** is UV resistant and will withstand maintenance foot traffic. It is advisable to screed, tile or protect with **Deckgrip** when traffic is more regular
- Do not apply if temperature exceeds 35°C or less than 5°C
- At above 30°C temperatures the membrane exhibits thermoplastic characteristics
- Do not apply if rain is expected within 1 day
- Do not thin liquid
- Do not use in permanently immersed applications (swimming pools etc)
- Do not use on surfaces subject to rising damp or negative hydrostatic pressure
- Seal damp substrates with one coat of **Epecrete**
- Waterproofed areas must be sloped to a drain and water must not pond

Shelf Life

12 months in an unopened can, stored in a dry place at 22°C.

Dribond CONSTRUCTION CHEMICALS

Adelaide (08) 8243 7888
Brisbane (07) 3271 2944
Melbourne (03) 9761 4711
Perth (08) 9356 9999
Sydney (02) 9756 3533
Auckland (09) 273 5444
Kuala Lumpur (603) 5122 2522

www.constructionchemicals.com.au