

UNI-GUARD WATERPROOF MEMBRANE

DESCRIPTION / USE:

Uni-Guard Waterproof Membrane is a high performance, ultraviolet stable, ecofriendly, flexible, water-based modified membrane. Uni-Guard Waterproof Membrane is formulated incorporating an advanced modified polyurethane polymer that is an industry proven solution for weatherproofing and waterproofing applications.

Uni-Guard Waterproof Membrane cures to a permanently flexible seamless membrane that has good adhesion to a wide range of substrates. The membrane does not readily embrittle with age, exposure to ultraviolet radiation or weathering. It also has excellent crack and craze resistance due to its flexible properties. Uni-Guard Waterproof Membrane's elastomeric characteristics, will not be adversely affected during extreme temperature conditions, consequently it will not crack at low temperatures, or suffer thermal flow at elevated temperatures.

AREAS OF USE:

Designed to be used as a flexible single component liquid membrane for use in roofing, basement, kitchens, bathrooms and shower recesses. Suitable for use on many porous substrates including Gyprock, fibre cement, concrete, render brickwork, render and plaster board.

SPECIAL FEATURES:

- CSIRO Certified to AS/NZS 4858:2004 Wet Area Membrane
- Flexible Class 3 membrane with 300% + Elongation
- Eco-friendly low odour for easy use without irritation
- Fast drying can be recoated after 4-5 hours at ambient temperature

MIXING & THINNING:

Not required – ready for use.

METHOD OF APPLICATION:

Brush or roller.

Do not apply if temperature is below 10°C or likely to fall below 10°C or is above 40°C.

TOUCH DRY:

30 Mins @25°C 50% RH

RE-COAT TIME:

4 to 5 hours @ 20°C.

It is recommended only one coat be applied per day to avoid accidental damage to the membrane.

COLOUR:

Light Grey.

COVERAGE:

Approximately 1 sqm/Lt/Coat

Recommend an initial prime coat followed by 2-3 coats of the Uni-Guard Waterproof Membrane for optimum performance and durability.

Coverage will vary depending on the profile and porosity of the surface.

SHELF LIFE:

12 months at 25°C.

Protect from cold temperature and freezing during storage. Always check product is smooth and consistent, free of grit and lumps before use.

CLEAN / WASH UP:

Water

SURFACE PREPARATION:

General – Surface should be sound, clean and free of dust, oil, grease and curing compound. Loosely adhered particles such as rust scale, cement smears should be thoroughly cleaned with a wire brush or another such implement.

Concrete – All new concrete surfaces must be fully cured (6-8 weeks) with a semi-rough surface appearance. Rendered surfaces must be allowed to cure for a minimum of 7 days prior to the commencement of waterproofing. All surfaces must be level as possible with a slope variation not exceeding 4mm.

Gypsum Plasterboard sheets – Must be installed to the manufacturer's guidelines with all joints being covered with a 50mm wide PP or PE tape whilst all screw/nail heads must be sealed with epoxy coating. When used as a wall substrate, sheet thickness should be a minimum 10mm thick.

Fibre Cement sheets – When used as a floor/wall underlay sheets should be a minimum 6mm thick whilst compressed fibre cement sheets should be minimum 9mm thick for walls and 15mm thick for floor applications.

Priming – Most surfaces require priming with a suitable hydrophilic epoxy primer. The primer can be applied with a brush, roller or squeegee depending on the area requiring treatment. Allow suitable time for primer to cure prior to commencing application of Uni-Guard Waterproof Membrane. ***Boja Specialised Coatings recommend the application of Uni-Guard H2O Epoxy Primer to most porous substrates. (refer Uni-Guard H2O Epoxy Primer TDS)***

METHOD OF APPLICATION:

- Remove all loose material by vigorous brushing, wire brush if necessary.
- Treat any fungal growth with proprietary fungicide as recommended.
- Allow surface to clean.
- Fill cracks and voids with mastic sealants.
- Prime surface with suitable primer. ***Boja Specialised Coatings recommend the application of Uni-Guard H2O Epoxy Primer to most porous substrates. (refer Uni-Guard H2O Epoxy Primer TDS)***
- Once the primer is completely cured, apply first coat, when cured repeat process with application of second coat at 90° right angles to the first coat ensuring a complete coverage. Please note that air bubbles trapped under the film must be removed in-order to achieve a seamless monolithic waterproofing membrane.
- Apply third coat if required*
- Apply Uni-Guard Waterproof Membrane at a dry film thickness of 0.6mm per coat over a minimum two-coat application.
- In case of multi-coat application or entrapment, the previous coat should be touch dry depending on atmospheric conditions.
- Ensuring that the surface is smooth and free of pinholes, allow membrane to cure for 24 hours at 20°C before commencing application of a tile adhesive.

*Please note, a third coat may be required if any imperfections are present in the membrane, including pinholes, misses or voids.

POINTS TO CONSIDER:

The dry film thickness (DFT) of Uni-Guard Waterproof Membrane should not be less than 0.5mm or more than 1.0mm per coat. Rough or textured surfaces will reduce the coverage rate and consequently, more material must be allowed for to achieve the minimum DFT.

Surfaces previously treated with silicone-based materials will inevitably be difficult to overcoat and this should not be attempted to be coated with Uni-Guard Waterproof Membrane.

Substrates with poor adhesion to the underlying structure (e.g. blistered roofing felt) may also cause problems in providing sound over-coating.

PERFORMANCE PROPERTIES:

Application	DFT (Dry Film Thickness)	Uni-Guard H2O Epoxy Primer	Uni-Guard Waterproof Membrane	Equivalent Wt. Approx.	Period	Number of top coats
Interior	1.2mm	6-10m ² /L	1L	1.25Kg	10 Years +	2 Coats 1m ² /L/Coat
Exterior	1.8mm	6-10m ² /L	1.5L	1.90Kg	10 Years +	3 Coats 1m ² /L/Coat

WATERPROOFING:

Apply a 40-50mm bond-breaker to the expansion joint and apply a liberal stripe coat over the joint and 20cm check as =200mm on either side. Apply Uni-Guard H2O Epoxy Primer to the requiring treatment at a spread rate of 3 m² / Lt.

As the stripe coat is tacking off, knead in layer of woven cloth ensuring it is completely embedded. Apply the second coat of Uni-Guard H2O Epoxy Primer to the entire area to be waterproofed at a coverage rate of 3 m² / Lt.

HEALTH & SAFETY:

- Keep out of reach of children
- Wear protective clothing
- Ensure good ventilation if using inside
- Do not breathe vapour or spray
- Do not smoke
- Wear eye protection
- Store in a cool place

FIRST AID:

Eye Contact – rinse with cold running water for 10 to 15 minutes. Seek medical attention if irritation persists.

If Swallowed – drink large amounts of water and seek medical attention.

ENVIRONMENT:

Do not tip unused products or waste down drains.

Dispose of waste using authorised collection procedures.

DISPOSAL:

During clean up after use, ensure that any chemicals do not flow to gutters or drains as it may contaminate waterways. Do not reuse empty can. Container can be recycled. Check with your local authorities or waste management office for more information related to the disposal of this container.

Disclaimer: Due to no direct control over application of its products, Boja Specialised Coatings advise any recommendation or information is provided based on technical information outlined during specification period. Boja Specialised Coatings does not accept responsibility or liability arising from the use of its products whether or not in accordance with any advice, information, recommendation, specification or service.