

PRODUCT INFORMATION DATA SHEET



UNI-GUARD H2O PRIMER

DESCRIPTION / USE:

Uni-Guard H2O Primer is a Low VOC water-borne two pack epoxy coating for the dual-purpose product that can be used as a moisture barrier / primer for dry and damp concrete including as a Hydrostatic Class II Waterproofing Membrane. Uni-Guard H2O Primer is designed as a non-flexible coating to be used on dry and damp masonry, concrete, brick and timber substrates - *contact a Boja representative for other substrate recommendations.*

AREAS OF USE:

Designed to be used as a coating resistant to hydrostatic pressure on areas subject to dampness from water seepage. Surfaces include interior concrete walls and floors, underground basements, carparks and lift-wells. Uni-Guard H2O Primer is also used as a primer for cementitious substrates.

Conforms to standards AS 4020 – 2000.

SPECIAL FEATURES:

- Excellent adhesion to cementitious substrates
- Pot life: 2 Hours @ 25°C
- Can be over coated with most epoxies, industrial and trade coatings
- Non-flammable low odour water-base coating
- Mixing Ratio: 1A : 1B by Volume
- Clean up with water or water clean-up
- Suitable for application to green concrete
- Can be tinted to pastel colours
- Prevents rising damp

MIXING & THINNING:

1 Part A epoxy to 1 Part B hardener by volume.

Prior to mixing, stir each component to a homogenous and uniform consistency. Mix both components with a low speed stirrer to ensure the mix is homogenous and uniform. Prevent air entrapment during mixing.

Waterproofing

Ready for use, do not thin

Priming

Thin with up to 15% water

METHOD OF APPLICATION:

Brush, roller or conventional and airless spray.

Do not apply if air temperature is below 10°C or above 35°C. Do not apply if the substrate temperature is 10°C or less as curing will be retarded.

Do not apply if rain is expected or in extremely high humidity, greater than 85% R.H. Curing rates can be affected during these type of weather conditions.

Always ensure the Uni-Guard H2 Primer is top-coated within 2-3 days. If cured longer, sanding will be required to ensure good adhesion.

TOUCH DRY:

4 Hrs @25°C 50% RH

RE-COAT TIME:

4 hours with full cure achieved after 7 days @ 25°C.

COLOUR:

Light Grey, White, Pastel Colours MTO (made to order).

COVERAGE:**Waterproofing**

1.5 m² / Lt based on a total of two coats in a slurry application.

Recommend 2 coats for optimum performance and durability. Coverage will vary depending on the profile and porosity of the surface.

Priming

6 m² / Lt based on a single coat application. For tiling applications broadcast clean silica sand to provide mechanical bond with tile adhesive. – *contact a Boja representative for more information.*

SHELF LIFE:

12 months at 25°C.

Protect Part A Epoxy 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:

Concrete – Ensure the substrate to be coated is structurally sound prior to application. Remove efflorescence and all loose material or existing coatings. Remove all contaminants by washing with degreaser, followed by clean water rinse and allow to dry. Mechanical preparation is also advisable. Inspect substrate and repair any surface imperfections with a mortar patching compound.

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 Primer to the entire area to be waterproofed at a coverage rate of 3 m² / Lt.

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

HEALTH & SAFETY:

- Refer to MSDS prior to use
- Keep out of reach of children
- PPE
- Ensure good ventilation if using indoors
- Store in a cool dry 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.

PHYSICAL TEST PROPERTIES:

| PROPERTIES | UNI-GUARD H2O PRIMER | |
|-----------------|--|--------------------------|
| | | |
| Component | Epoxy Resin | Hardener |
| Mixing Ratio | 1 Part by volume | 1 Part by volume |
| Density kg / Lt | 1.27 | 1.30 (White) 1.21 (Grey) |
| Recoat | 4 Hours | |
| Mixture | | |
| Density | 1.29 (White) 1.23 (Grey) | |
| Solids | Approx. 41.5% when mixed | |
| Pot Life | Approx. 120 minutes - 2 Hours @ 25°C | |
| Touch Dry | 4 Hours @ 25°C | |
| Full Cure | 7 days | |
| WFT | 300µm per coat | |
| Coverage | 3 m ² / Lt / coat – Minimum 2 coats | |

IMPORTANT:

- Uni-Guard H2O Primer is not UV stable nor is it suitable as a trafficable coating without a suitable topcoat.
- Ensure Uni-Guard H2O Primer is over coated within the recommended re-coat time.

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.