

Primeseal

Two-pack, Water-Based Primer and Sealer

Description

Duram Primeseal is a versatile two-part, water based coating suitable for most types of porous and semi-porous surfaces.

Primeseal has been designed for the dual roles of both a primer and a sealer.

As a primer, Primeseal is an excellent universal primer for all Duram waterproofing membranes, anti-slip coatings, paints and coatings. It has excellent bonding properties to most substrates and assists in the prevention of water vapour transmission from the substrate thereby minimising the risk of bubbles forming underneath membranes.

As a sealer, Primeseal exhibits excellent primary waterproofing and sealing properties and enhances the waterproofing performance of subsequent membranes and coatings.

Primeseal's standard colour is off-white but is also available in black (minimum quantities apply) and generally used as a top coat over Cristoflex to provide an attractive colour in water features.

Primeseal has very low VOCs and meets the 'Green Star' environmental criteria.

Uses

Duram PRIMESEAL is formulated:

- as a general and universal primer for most types of substrates.
- as a vapour transmission barrier (when applied at appropriate coverage rates).
- as a sealer coat over bitumen surfaces to allow the application of solvent and water based waterproofing membranes and other coatings.
- as a sealer over damp surfaces to allow the application of urethane based waterproofing membranes.
- as an intercoat bridging coating to allow the application of incompatible coatings.
- priming and sealing of concrete, cement render, timber, brick, block work, FC sheeting, CFC sheeting, plasterboard and bituminous surfaces.
- as a sealer against bitumen and tar based products staining grout and tiles.
- to provide good hydrostatic resistance to both positive and negative waterproofing.
- as a primer over bituminous and torch-on membranes so that they can be top-coated or re-membraned.

Suitable Surfaces

Duram Primeseal is suitable for most surfaces including:

- Concrete, cement, cement render, brick, block work, masonry, timber, FC sheeting, CFC sheeting, plasterboard and painted or coated surfaces.
- Abraded or etched ceramic tiles - but confirmation of specific projects should be sought from the Company.
- Primeseal may be applied to superficially damp surfaces although not recommended and freedom from surface and running water and continual dampness is essential. The surface must dry to allow the product to dry.

Specification

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the Company in writing.

Limitations

Primeseal being an epoxy has low flexibility and is NOT designed to bridge cracks or expansion joints. Primeseal can be effective for sealing the inside wall surfaces but without guarantee.

Benefits and Advantages

- Primeseal is user and environmentally friendly, solvent free and low in odour.
- Low VOCs and meets the 'Green Star' environmental criteria.
- Easy to apply by brush, roller, squeegee and spray.
- Quick drying.
- Has excellent adhesion.
- Excellent water barrier.
- Can be used as a primary waterproof barrier on rigid surfaces.
- It will not re-emulsify.
- Seals over most existing coatings.
- Excellent hydrostatic pressure resistant.
- Can be used to seal the negative and the positive sides of the substrate.
- Can be applied to superficially damp surfaces, which must become dry.
- Compatible with all Duram waterproofing membranes and floor coatings.
- Acts as a bleed sealer over bituminous surfaces.
- Excellent primer over torch-on waterproofing products.

Precautions in Use

Primeseal is water based and contains no VOC's and is considered safe to use, however, observe good hygiene and safety practices. The wearing of gloves is recommended and goggles against splashes. Good ventilation is recommended and avoid contact with skin, eyes and mouth. If poisoning occurs contact Poison Information Centre. If swallowed DO NOT induce vomiting, give plenty of water to drink and seek medical advice. If in eyes thoroughly flush with clean water, holding lid open to ensure any product maybe flushed away. If on skin wash with soap and water.

Priming and Surface Preparation

Good preparation is essential. Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion.

General Usage:

Mix equal portions of Part A and Part B (standard mix) thoroughly to a homogenous consistency before application. Only mix enough product that can easily be applied within 2 hours.

Bagging Primer Mix:

Thoroughly mix equal portion of Part A and part B of Primeseal, then add 30% water and thoroughly mix and then add sufficient 3:1 sand: cement mix to the Primeseal liquid to form a brushable or rollable consistency and apply to surface.

Concrete Blow-Hole Filler:

As above, but adding more sand:cement to the mix to increase its viscosity. Coat the blow-hole with the standard mix Primeseal solution and then fill hole with described viscous mixture.

Allow Primeseal to dry fully before over coating.

Application

Apply by brush, roller, squeegee or spray, generally in a single coat using sufficient product to provide a uniform, solid, off-white coat.

When priming timber, particularly particle board at least 2 coats should be applied.

When sealing bituminous surfaces, at least 2 good coats should be applied.

When using Primeseal as the primary sealer at least 3 coats should be applied.

For priming of superficially damp surfaces (freedom from continual dampness is essential) apply 2 coats.

Subsequent coats should be applied as soon after the preceding coat is fully dry and best within 48 hours.

The final coat must be uniform completely covering the surface.

Allow Primeseal to cure for 3 to 4 days prior to filling with water when used as a primary sealer.

Coverage

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique.

Generally, Primeseal should be applied at 4m² per litre per coat. Highly porous or friable surfaces may require the application of an additional coat.

Colours

Standard colour is off white and is available in 1, 4,10 and 20 litre kits.

Primeseal is also available in black and other colours, by special order and minimum quantities may apply.

Drying and Curing

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide. Touch dry curing time is approximately 4 to 8 hours at 25°C and 50% RH. Damp surfaces will increase curing time and will generally be slower than had the surface been allowed to dry before applying the Duram Primeseal.

Cold air and ground temperatures will increase drying times required.

Storage

Store in a cool, dry area away from direct sun light. Ensure unused product is sealed properly. Keep out of reach of children.

Clean Up

Wet spills can be cleaned up with water.

Tiling, Topping or Top Coating

Primeseal can be directly tiled or topped.

Safety & Precautions

Although this is a safe to use product it is recommended that you follow good safety and hygiene practices. Refer to products Material Safety Data Sheet.

For full safety data refer to the products Material Safety Data Sheet. Observe precautions as per label.

Tests and Technical Data

Shelf life: Up to 12 months in unopened containers. Stored as recommended. Service Temperature: 0°C to 50°C.
Application Temperature: 5°C to 35°C.

Material Safety Data Sheet

Primeseal

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Classified as non hazardous material by the NOHSC.

Identification

Product Name: Primeseal
Other Names: Duram Primeseal
U.N. Number: N/A
Class: N/A
Hazchem: N/A
Code:
Poison: S5
Schedule:
Pack Sizes: 1 ltr, 4 ltr, 10 ltr and
20ltr Kits, with Part A
& B.

Physical Description

Appearance: Off white liquid
when mixed.
Boiling Point: +- 100°C - as for
water.
Vapour
Pressure: As for water.
Percent
Volatiles: >20% (mainly
water)
Specific
Gravity: 1.05 - 1.1
Flash Point: N/A (Water Based)
Flammability: N/A (Water Based)
Water
Solubility: Soluble / Miscible
(will re-emulsify
when uncured)

Ingredients

Chemical	CAS No.	Proportion
Primeseal Part A		+ - 50%
Primeseal Part B		+ - 50%

Uses:

PRIMESEAL is a 2 part water based epoxy primer/sealer. Please refer to PRIMESEAL A & PRIMESEAL B for the MSDS.

Health Warning Information

Health Effects

Swallowed: Material is regarded as low oral toxicity and swallowing is unlikely. Irritating, possible nausea - will affect digestive tract if swallowed in volume with abdominal irritation, pain, and vomiting.

Eye: Irritation and discomforting and may cause mild temporary redness of the conjunctiva, temporary vision impairment and damage, prolonged contact may damage eye, possibly long term.

Skin: Mildly irritating. May affect skin with prolonged contact such as dermatitis. Avoid exposure to skin that is cut, damaged or irritated.

Inhaled: Irritating - may cause nausea with prolonged contact. Inhalation unlikely due to viscosity and non volatility of the product. Vapours (predominantly water) may be occur at higher than normal temperatures.

CHRONIC HEALTH EFFECTS

Prolonged contact or continuous long term working in confined and poorly ventilated areas may cause irritation response, sore, eyes / nose and possible headache and dermatitis.

Avoid contact with unprotected skin, inhalation of vapour or ingestion. Observe good occupational work practices.

First Aid

Swallowed: Do not induce vomiting. Give plenty of water to drink. Rinse out mouth. Seek medical assistance or contact the Poisons information Service (Australia 121126 and New Zealand 03 4747000).

Eye: Flush thoroughly with clean water, holding eye lid open to flush product from under the lid. Removal of contact lens after injury should be done by a skilled or medical person.

Skin: Remove contaminated clothing, and wash with soap and water.

Inhaled: Product is water based. Treat for drowning. Remove person to fresh air and perform artificial respiration if required and seek urgent medical assistance. If fumes are inhaled, remove to fresh air, lay patient down, keep warm and rested. This is usually sufficient.

Advice to Doctor

Treat symptomatically.

Precautions in Use

Product is considered low risk.

Exposure Standards

Non assigned. Refer to individual constituents.

ENGINEERING CONTROLS

Use in well ventilated areas. General exhaust is adequate under normal operating conditions.

Exposure Limits

Refer above.

Ventilation

Product should be applied in areas with adequate ventilation.

Personal Protection

Gloves: Rubber or PVC. Do not use solvent to clean the skin.

Eyes: Safety goggles. The wearing of contact lenses poses an additional risk. Soft lenses may absorb irritants and all lenses concentrates them.

Feet: Wear safety footwear.

Safe Handling Information

Storage and Transport

Store in cool, dry area and place out of the reach of children. Product is not flammable. Avoid freezing.
Suitable containers: Plastic pails as recommended by manufacturer.
Check containers are labeled and not damaged.

Storage incompatibility: None known.

Transportation Restrictions: None.

Spills and Disposal

Prevent spills from entering the drains or sewers. Absorb product with sand or earth or absorbent material and dispose to land fill in accordance with local council regulations. Product will dry and become inert.

Major spills unlikely due to individual size of containers.

Fire / Explosion Hazard

N/A - product is water based and is not combustible and should not decompose explosively.