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ELASTACOTE™ MEMBRANE CLEAR GLAZE

Data Sheet

DESCRIPTION

Elastacote Clear Glaze Membrane is a water based 100% acrylic coating ideal for extreme weather conditions typical in the southern hemisphere. The technology used in the manufacture of the Elastacote Membrane makes it adaptable in extremes of heat and cold, is durable enough to resist Australian summer storms, as well as being resilient in the snap freezes experienced in the southern states and New Zealand.

The durability protects domestic and commercial surfaces from the seasons, year after year. The coating has been proven to meet the Australian and New Zealand standards (AS/NZS 4858 and AS 4654) for coatings of this kind. In addition, even after extreme weather testing, the Elastacote Membrane continues to perform.

FEATURES + BENEFITS

Quality and Performance

Designed to accurately meet the AS/NZS 4858 and AS 4654 standards. Tough, durable and highly flexible. Batch to Batch consistency.

Self Cross Linking Technology Vapour Permeable

Low dirt pickup - self cleaning.

Allows structures to breathe, reducing the accumulation of gases and vapour moisture.

Low Water Absorption

Reduces carbon dioxide and chloride ion diffusion - protects structures from corrosion.

Resistance to Cyclic Movement

Ability to withstand crack bridging of hair line, shrinking and stress cracks. Allows for thermal expansion and contraction of buildings.

Laboratory Proven

Is proven to show no signs of deterioration where harsh climatic changes are expected. Remains flexible and crack free.

Durable

Excellent adhesion to a variety of substrates.

Water Based

Minimal drying time, cleanup and odour.

Drinking Water Safe

After 10 day curing and initial rinse.

USES

Elastacote Membrane is recommended and used as a protective coating that can be brushed, rolled or sprayed to the following properly prepared and sealed weathered surfaces:

- Concrete and Unglazed Terracotta Roof Tiles • Metal Roof Surfaces
- Concrete Tilt Slab Buildings • Brick and Block Construction

It provides a durable coating system that significantly reduces dirt accumulation, pollution and chemical attack through its self cross linking technology. Elastacote Membrane is NOT recommended for high glaze terracotta tiles.

PERFORMANCE GUIDE

Weather	Excellent resistance	Salt	Excellent resistance
Heat	Resistant to 90 degrees celsius	Water	Less than 1 gram water transmission over 24 hours per metre squared under 1kPa pressure
Solvent	N/A	Abrasion	Good resistance
Acid	No reaction to 3% hydrochloric acid	Alkali	No reaction to 1% caustic solution

TYPICAL PROPERTIES

Gloss Level	High	V.O.C	Level < 30 g/L
Gloss Level Ind	5 10 20 30 40 50 60 70 80 90 100	Volume Solids (%)	35.5 +/- 1%
Colour	Wide range of colours.	Mass Solids (%)	36.3 +/- 1%
Number of Coats	2 min.	Viscosity	RVD Brookfield Spindle, 6 @ 10rpm - 33,000cps +/- 2%
Touch Dry	30 minutes	pH	8.5 +/- 2%
Recoat	2 hours	Specific Gravity	(g/cm ²) 1.03 untinted
Full Cure	14 days	Anti Carbonation Components	2 coats equivalent to cm concrete cover - 86
<i>All figures are quoted at 25 degrees C and 50% Relative Humidity</i>			
Application	Brush, Roll or Spray	Toxicity	Lead free. Dry film is nontoxic, drinking water safe
Tip Size	619 - 621	Shelf life	24 months maximum
Coverage	5 - 6 sqm/L	Wet film per coat	Recommended 168 um
Clean Up	Water	Dry film per coat	Recommended 60 um
Thinner	Not Recommended	Size	20 litres



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APPLICATION PROCESS

TILE ROOF SURFACES

- INSPECTION** Ensure the whole area is examined thoroughly and checked for loose or missing bedding, damaged tiles and moss/lichen.
- REPAIR OR REPLACE** Faulty tiles and defective valley irons are replaced.
- CLEAN** The surface must be cleaned using a high pressure cleaner at a minimum 3000psi .
- REBED** Where necessary, ridge capping is rebbed and broken tiles are replaced where required.
- REPOINT** All ridge capping is repointed using Globalpoint Flexible Pointing.
- STERILISE** Prior to coating the surface, Prepcote Surface Treatment is applied to sterilise fungal and algal growth. Inadequate application of Prepcote Surface Treatment will void any warranty.
- SURFACE SEALED** To ensure maximum adhesion the entire roof area needs to be thoroughly coated with Primecote Sealer Primer.
- 1st COAT** 1st coat of Elastacote Clear Glaze is applied.*
- 2nd COAT** 2nd coat of Elastacote Clear Glaze is applied.*

METAL ROOF SURFACES

- CLEAN** The surface must be cleaned using a high pressure cleaner at a minimum 3000psi. Ensure rust affected areas are cleaned, rust converted and suitably primed. Ensure any rusty screws are replaced and suitably primed. Ensure flaking paint is removed to provide a sound, clean surface.
- SURFACE SEALED** Apply 1 coat of Primecote Sealer Primer.
- 1ST COAT** 1st coat of Elastacote Clear Glaze is applied.*
- 2ND COAT** 2nd coat of Elastacote Clear Glaze is applied.*

*** Globalcote advises that heavy application may cause a milky appearance, to avoid this occurring we highly recommend multiple light coats.**

NOTE: 1. The surface preparation is the responsibility of the Builder, Renovator, Contractor or Applicator.
2. Do not apply where rain is imminent. High humidity may effect curing times. Weather conditions must be considered and deemed suitable before proceeding with application of the Globalcote system .

HEALTH + SAFETY

- Contact Poisons Information Centre (Phone Australia: 13 11 26) or a doctor.
- **Ingestion** Do not induce vomiting. Give water to drink. Seek medical assistance.
- **Eye Contact** Flush eyes in eye baths until irritation subsides. Seek medical assistance.
- **Skin Contact** Wash thoroughly with soap and water. Launder contaminated clothing before reuse. Seek medical assistance if irritations develop.
- **Inhalation** Remove to rest. Seek medical assistance.
- **First Aid facilities** Eyebaths, safety showers
- **Medical Attention** Treat symptomatically.

RECOMMENDATIONS + PRECAUTIONS

- Ensure that appropriate workplace health and safety methods are used when working with this product.
- Use this product in a well ventilated area.
- Ensure that the surface is sound, clean and dry.
- Ensure that the application of the product is in accordance with Globalcote recommendations.
- Due care and consideration should be taken where water collection methods are present. Globalcote recommends allowing 10 days curing and an initial rinse (rain or tap water wash) prior to reconnecting water collection systems.

MSDS: Available on request. Please visit the Globalcote Website - www.globalcote.com.au.

DISCLAIMER The recommendations and data provided in this document are true and accurate at the time of testing. The information is given in good faith but without any guarantee as conditions and methods of use on the Globalcote product are beyond Globalcote's control. Globalcote recommends that the applicator of this product determines the suitability of the Globalcote material and its recommendations prior to use or application.