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ELASTACOTE™ MEMBRANE HIGH GLOSS

Data Sheet

DESCRIPTION

Elastacote High Gloss 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 or exceed the Australian and New Zealand standards (AS/NZS 4858:2010 and AS/NZS 4654:2010) 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 4858:2010 AND AS/NZS 4654:2010 standards. Tough, durable and highly flexible. Batch to Batch consistency.

Self Cross Linking Technology

Low dirt pickup - self cleaning.

Nanotechnology

Infracote Range - infrared reflective/further enhanced self-cleaning.

Vapour Permeable

Allows structures to breathe, reducing the accumulation of gasses 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.

Natural Iron Oxides Pigments

Resists weathering characteristics such as fading or discolouration.

Drinking Water Safe

After 7 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
Fibro Cement Sheeting • Cement Rendered Surfaces • Brick and Block Construction**

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

TYPICAL PROPERTIES

Gloss Level	High	Viscosity	RVD Brookfield Spindle, 6 @ 10rpm - 33,000cps +/- 2%
Gloss Level Ind	5 10 20 30 40 50 60 70 80 90 100	pH	8.5 +/- 2%
Colour	Wide range of colours. See colour card	Specific Gravity	(g/cm ²) 1.028 untinted
Number of Coats	2 min.	Anti Carbonation Properties	2 coats equivalent to cm concrete cover - 86
V.O.C	Level < 30 g/L	Thinner	Not Recommended
Touch Dry	30 min	Spread Rate	5 - 6 sqm/L
Recoat	2 hours	Components	1
Hard Dry	7 days	Toxicity	Lead free. Dry film is nontoxic, drinking water safe
<i>All figures are quoted at 25 degrees C and 50% Relative Humidity</i>			
Clean Up	Water	Shelf life	24 months maximum
Volume Solids (%)	35.5 +/- 1%	Wet film per coat	Recommended 168 um
Mass Solids (%)	36.3 +/- 1%	Dry film per coat	Recommended 60 um
		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 Globalcote Flexible Pointing.
STERILISE	Prior to coating the surface, Primecote Surface Treatment is applied to sterilise fungal and algal growth. Inadequate application of Primecote 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 High Gloss Membrane is applied.
2nd COAT	2nd coat of Elastacote High Gloss Membrane 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 High Gloss Membrane is applied.
2ND COAT	2nd coat of Elastacote High Gloss Membrane is applied.

HEALTH + SAFETY

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

RECOMMENDATIONS + PRECAUTIONS

- Always use and store this product in a well ventilated area
- Always ensure that the surface is sound, clean and dry
- Wear appropriate safety clothing, shoes, glasses and gloves at all times
- In the case of emergency please call 000
- 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
- Always ensure that the application of the Membrane is in accordance to the Globalcote recommendations
- Due care and consideration should be taken where water collection methods are present. Globalcote recommend allowing our system 7 days curing and an initial rinse (rain or tap water wash) prior to reconnecting water collection systems
- Always ensure that workplace health and safety methods are used when working with this product at heights
- Dangerous Goods Class = Not Applicable - Not considered dangerous for transportation of this product

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.