

DERMASTIC 900

AN ELASTOMERIC ACRYLIC-POLYURETHANE LIQUID-APPLIED WATERPROOFING MEMBRANE

DESCRIPTION

DERMASTIC 900 is a one-part, UV-stable, elastomeric liquid-applied waterproofing membrane, based on modified acrylic-polyurethane polymers. Provides excellent resistance to weathering for outdoor structures and it is compatible with damp substrates.

USES

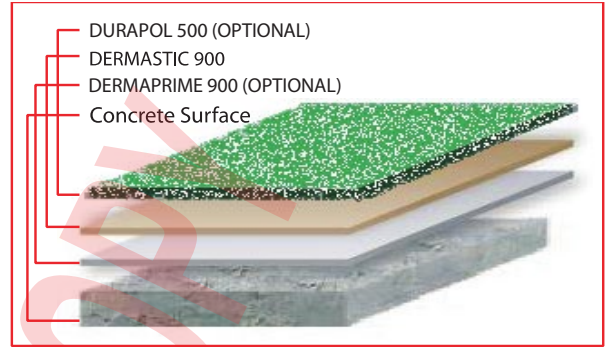
DERMASTIC 900 provides a firmly adhered waterproof membrane to various substrates. For substrates with high foot traffic, one additional coat of **DURAPOL 500** is recommended. Can be used to refurbish and protect metal roofs, concrete flat roofs and walls from weathering.

BENEFITS

- Ease of application
- Adheres well to most common building materials after proper surface preparation.
- Good resistance to ageing due to weathering.
- High solid content to minimize the number of coats required to build up the desired thickness.
- Exhibits outstanding elasticity and crack-bridging.

COLOR

Light Grey, Off White. Other colors can be matched upon request.



Technical Data:

No of Component	1
No of Coats Recommended	1-2
Recommended Dry Film Thickness	>1.0 mm
Estimated Coverage	0.75-1.25kg/m ² per coat
Solid Content	80%
Density	1.35 kg/liter
Tensile Strength	3.5 N/mm ²
Elongation	200%
Crack-bridging	2mm
Toxicity	Non-Toxic
Storage & Shelf Life	12 months at 25°C
Packaging	20 & 25kg

NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

WEBSITE

www.cemkrete.com.my

TELEPHONE

+603-8062 4478

FAX

+603-8061 5877

EMAIL

enquiry@cemkrete.com.my



DERMASTIC 900

CEMKRETE®

AN ELASTOMERIC ACRYLIC-POLYURETHANE LIQUID-APPLIED WATERPROOFING MEMBRANE

ISO 9001 & 14000 CERTIFIED

Performance Data:

Adhesion : Adheres strongly to concrete, common metal deck roofs, cementitious screed/plaster and asphaltic surface that have been subjected to the recommended surface preparation.

Weathering Resistance : Stable over 5000 hrs in Q.U.V

Chemical Resistance : Resistant to most dilute acid and alkali solutions occurring in building construction. In addition, tests have been conducted on the following, intermittent exposure:-

Caustic Soda (10%) : Excellent

Hydrachloric Acid (10%) : Excellent

SPECIFICATION

Substrate to be coated must be sound, clean, and free from any contamination. Mechanical tools should be used followed by thorough vacuuming. Application should be in accordance with manufacturer's written instruction.

APPLICATION PROCEDURE**NEW CONCRETE OR CEMENTITIOUS SCREED/PLASTER**

Ensure concrete is a minimum of 25 MPa compressive strength and that surfaces are structurally sound and have been cured for at least 28 days. Liquid membrane curing compounds or chemical surface hardening treatments must not be used where the concrete/cementitious surface is to receive **DERMASTIC 900** liquid-applied membrane. Surface laitance must be removed by mechanical grinding.

BASE SCREED (FOR R. C. FLAT ROOF)

Base screed with minimum gradient of 1:120, to receive **DERMASTIC 900** shall be laid if the floor is uneven and without required gradient, to achieve better waterproofing performance.

OLD CONCRETE

Old concrete surfaces may be contaminated with oils, grease, or other chemicals. Oils and grease must be removed by using a strong commercial detergent and scrubbing the affected area. Wash off with clean water. More than one application may be necessary to remove the stains. Blasting method as described under "New Concrete" must then be carried out.

ASPHALTIC SURFACE

Make sure all asphaltic surfaces to receive **DERMASTIC 900** are sound and free from dirt, oil and stain.

METAL SURFACES

Carry out the surface preparation as recommended with one coat of anti-rust zinc-rich primer such as **Zincprime 216**. Apply **DERMASTIC 900** by means of airless spray, roller or brush. Allow minimum of 24 hours between coats. Should the membrane need reinforcing in any weak area or gaps at the roof, fiberglass reinforcing mat or surface tissue are recommended and should be installed during the first coat.

APPLICATION PROCEDURE

Carry out the surface preparation as recommended. Apply a coat of **DERMAPRIME 900** straight from the can using a short nap roller, at a spreading rate of around 8m²/liter/coat (depending on substrate porosity). Alternatively, for common cementitious substrate, mix 1 part of **DERMASTIC 900** with 1 part of clean water and apply as a priming coat. Apply subsequent body coats of **DERMASTIC 900** by trowel, roller or brush to desired thickness at a spreading rate of 0.75-1.25 kg/m²/coat.

Application with optional fiberglass reinforcing mat

After the priming coat, allow to dry for approximately 1-2 hours. Roll out recommended fiberglass reinforcing mat and roll immediately onto the wet **DERMASTIC 900**. Allow to dry for not less than 4 hours at 20°C and below 80% R.H. In cold and/or humid weather condition, allow for overnight drying. After the first application is dry, apply another body coat of **DERMASTIC 900** using a short nap roller to completely fill the fiberglass reinforcing mat.

Normal curing time @ 20°C/50% R.H. is 7 days. For areas with high foot traffic, overcoat after 24 hours curing with **DURAPOL 500**.

When used as a sandwich membrane at concrete slabs, allow 7 days for curing before applying the subsequent topping or screed.

When used as an elastomeric coating on walls, dilute the product with approximately 20% clean potable water to adjust the workability.

MIXING

Stir thoroughly until smooth and homogenous before use by using a slow speed (300-400rpm) electric drill fitted with a paint mixer or wing type mixing paddle.

THINNING**HEALTH & SAFETY**

Some of the components in this product may be hazardous during mixing and application. Wear suitable protection clothing, gloves, and eye protection. The use of barrier creams provides additional skin protection. In case of contact with eyes, rinse immediately with plenty of clean water and consult a physician. If swallowed, do not induce vomiting, and seek medical attention immediately.

FURTHER INFORMATION

CEMKRETE is the leading supplier of engineered construction products in Southeast Asia. Our full line of products includes industrial polymer floor and wall coatings, waterproofing, structural repair materials, and other specialty protective

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