

# DERMASTIC 900

LIQUID WATERPROOFING MEMBRANE

## DESCRIPTION

**DERMASTIC 900** is a one part, flexible liquid waterproofing and sealing membrane, based on modified acrylic polymers. Provides excellent resistance to weathering and it is compatible with damp substrates. Its latex properties completely resists ozonolysis and other oxidative degradation.

## USES

**DERMASTIC 900** provides a firmly adhered economical waterproof membrane to substrate where vehicular trafficable condition is not required. Whereas, for foot traffic application, one coat of **DERMASTIC 900TC** is required. Can be used to refurbish and protect A.C sheet roofs, concrete and atmospheric corrosion due to weathering and / or pollution.

## BENEFITS

- Easy to apply, one component material & no mixing is required.
- Adheres well to most common building materials after correct surface preparation
- Good resistance to ageing.
- Economical
- Completely resists ozonolysis & other oxidative degradation.
- Full resistant to ultra violet light.
- Exhibits outstanding elasticity to allow for any roof movement.

## COLOR

Light Grey, Off White, Light Green, other colors can be matched upon on request.



### Technical Data:

No. of Component	1
No. of Coats Recommended	1
Recommended Dry Film Thickness	1mm
Estimated Coverage	0.8m <sup>2</sup> / kg @ 1mm thick (Depending on surface roughness and substrate porosity)
Solid Content	80%
Density	1.10
pH Value	8.0
Flash Point	N/A
Toxicity	Non - Toxic
Primer	Dermaprime 900
Storage & Shelf Life at 25°C	Above 12 months
Packaging	25 kg

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

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**Performance Data:**

Shore A Hardness : 30±5

**Adhesion :**

Adheres strongly to concrete, wood, compressed AC sheet, Polystyrene, galvanised iron, aluminium, Zinalume, Steel that have been subjected to the recommended surface preparation.

**Weathering Resistance :**

Slightly chalking after over 5000 hrs in Q.U.V

Salt Spray Resistance : No effect after 2500 hrs

Elongation at Break : Approximate 300%

**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

**Moisture VapourTransmission :**

0.001Perms -cm when tested in accordance with ASTM E96-66

**SPECIFICATION**

Substrate to be coated must be sound, clean and free from any contamination. Mechanical stone should be employed followed by through vacuuming. Apply **DERMAPRIME 900** at a spreading rate at a 10m<sup>2</sup> / litre / coat with roller or brush in one coat. Application in accordance with manufacturer's written instruction.

**APPLICATION PROCEDURE****NEW CONCRETE**

Ensure concrete is a min. 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 surface is to receive Dermastic 900 membrane, Pre-wet the swept concrete area to aid the even distribution of the acid solution. Surface laitance must be removed by light captive blasting or minimum by power sanding.

**OLD CONCRETE**

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

**ASPHALTIC SURFACE**

Make sure all asphaltic surfaces to receive Dermastic 900 to be sound and free from dirt, oil and stain.

**METAL SURFACES**

Carry out the surface preparation as recommended. Apply Dermastic 900 straight from the can by means of airless spray to a wet film thickness of 1.4mm into two coats. Allow min 24hours between coats. Should the membrane need reinforcing in any weak area of the roof, fibreglass matt as recommended should be placed into first coat as for concrete surfaces.

**MIXING**

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

**APPLICATION**

Carry out the surface preparation as recommended. Apply a coat of Dermaprim 900 straight from the can by short nap roller. Allow to dry for approximately 2 hours. Apply Dermastic 900 by means of short nap roller at the rate of 1.5m<sup>2</sup> per kg to achieve a wet film thickness of 0.5mm. Roll out recommended fibreglass matt reinforcing and roll immediately into 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 overnight drying. After the first application is dry, apply a heavy coat of Dermastic 900 using a short nap roller to completely fill the fibreglass matt (Approximate 0.9mm wet film thickness) Normal curing time @ 20°C/50%R.H. is 7 days. Where human traffic membrane is required, overcoat after 24 hours curing with Dermastic 900TC to 0.5mm wet film thickness. When used as sandwich membrane between concrete slabs, allow 7 days for curing before pouring top slab. Protect the membrane with a heavy grade building paper against damage during preparation and pouring of top slab and to provide a slip plane. When used a membrane under landscape gardens, allow 7 days curing before placing garden. If use a paint on floor/wall only, dilute product with 20% clean potable water to adjust correct workability.

**THINNING**

No Thinning is required. If use a paint on floor/wall only, may dilute product with 20% clean potable water to improve workability.

**METHOD OF APPLICATION**

Apply with short nap roller

**HEALTH & SAFETY**

Although **DERMASTIC 900** is non-combustible, certain ingredients may be harmful if exposure is prolonged or in contacted with. Always use with suitable protective gears and adequate ventilation. Close container tightly after use. Keep out of reach of children. For further information, refer to the product Material Safety Data Sheet, available on request.

**FURTHER INFORMATION**

With a wealth of technical and practical experience built up over many years in our pursuit of excellence especially in the protective, flooring and concrete technology, make **CEMKRETE** your partner today. Contact our hotline now.

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