



DURO MASTIC™ SR

SOLAR REFLECTIVE COATING FOR ROOFS, WALLS AND FASCIAS

DURO MASTIC™ SR is a long life, 100% acrylic emulsion coating with excellent solar radiation reflection. Typically it will reduce the head space temperature under a roof by up to 15°C on hot days. DURO MASTIC™ SR will effectively extend the roof life of a building and has an excellent architectural appearance.

DURO MASTIC™ SR may be applied over most building surfaces for solar reflection, durability and extension of service life.

DURO MASTIC™ SR reflects solar radiation, and as well, radiates heat back into the atmosphere.



PRINCIPLE CHARACTERISTICS

- ♦ Solar reflective
- ♦ Thermal emitting
- ♦ Reduces air conditioning costs, and reduces greenhouse gas emissions
- ♦ Mould resistant
- ♦ Prolongs roof life
- ♦ Reduces thermal expansion & stress
- ♦ Excellent resistance to weathering
- ♦ Simple application, water based
- ♦ Non-toxic, lead free
- ♦ Environmentally friendly



USE AREA

- ♦ Top coat for membrane system
- ♦ New metal or fibre cement roofs / walls
- ♦ Exposed concrete roof decks, parapets, fascias
- ♦ Roofing membrane



PACKAGING

- ♦ 15 Litre

TECHNICAL INFORMATION

Colour	White, semi gloss
Drying Time	30-60 minutes @ 25°C
Recoat	Anytime after surface dry, approx 2 hours @ 25°C
Coverage	Min 2 coats, each at 0.17 litres/m ² [6 m ² /Litre]
Wet film per coat	0.17mm thick
Dry film thickness	0.13mm recommended minimum total.
Solar Reflectance	0.93
Thermal Emittance	1.82
Solids content	40% by volume
Shelf life	12 months in unopened containers @20°C

"DURO MASTIC™ SR can be expected to be equivalent to, or better than fibre-glass / foil insulation at limiting internal temperatures in summer."

Report prepared by Unisearch Ltd October 20, 1992

SURFACE PREPARATION

- ◆ Prior to coating, surfaces should be thoroughly washed and brushed down to remove dirt and other contaminants. Surfaces must be clean, dry and free of oil and unsound paint. Mould, moss and algae must be treated accordingly. Use Durotech Duroprep Antifungal Wash.
- ◆ If surface corrosion is evident (rust) the surface must be neutralized by removing as much of the rust as possible by mechanical means (wire brush etc) and then treat the area with a rust converter.
- ◆ Galvanized iron, zincalume, and aluminium sheeting less than 12 months old should be washed down with a degreaser and then primed with Durotech ZR metal primer. If the surface is older priming is not generally required unless it is in a corrosive environment or the surface has rusted.
- ◆ Over PU membranes , prime first with one thin coat of Duromix Hibuild WBE. Contact Durotech for details.

PRIMING

- ◆ Concrete decks to have adequate drainage. Water jet clean and prime with DUROMIX™ WBE, at 4-6m²/litre.
- ◆ Concrete block walls to be smoothed to be free of voids and imperfections.

RE-COATING

Re-coating aged DURO MASTIC™ SR - High pressure water wash to remove chalk etc. Apply 2 coats of DURO MASTIC™ SR @ DFT 0.065mm per coat. To-tal DFT 0.13mm.

CLEANING

Clean equipment with water before drying occurs.

APPLICATION

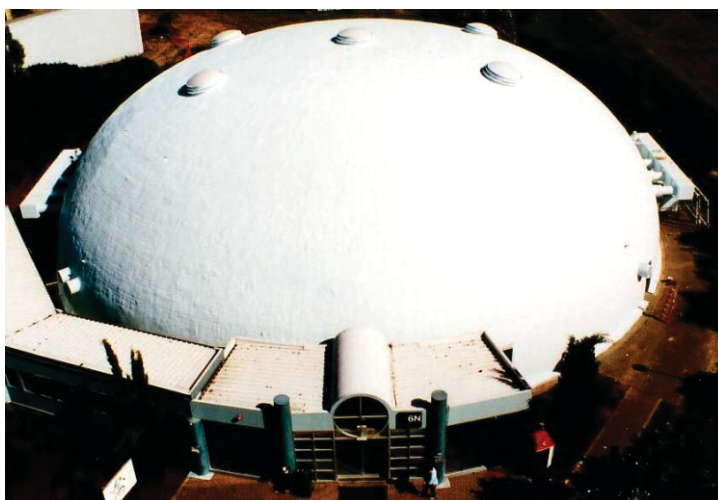
Apply DURO MASTIC™ SR in two coats each at 6m²/litre to the prepared surface.

Brush, roller or airless spray are suitable.

PRECAUTIONS

Do not apply DURO MASTIC™ SR at surface temperatures above 30°C or below 10°C ambient. Ensure that the coating will dry before rain or dew is experienced. Usually 16 hours drying time is needed to attain water resistance. If applying to roofs used for collection of water, disconnect pipes to the tank until coating is fully cured. Clean periodically to maintain surface and re-coat when necessary .

NOTE: DURO MASTIC™ SR used to be called Duromastic ACSR or Durocoat SR



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The information provided in this data sheet is correct at the time of printing (albeit is subject to change at any time) and is intended to give a simple description of the product and its capabilities. In practice, the substrate, intended surface to be treated and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and to ensure that the product is not used beyond its physical limitations. If in doubt contact the manufacturer. The product will perform as described herein provided it is applied in accordance with the manufacturer's instructions as stated in this data sheet and provided that the building and installation is structurally sound and the application is carried out competently. Durotech terms and conditions of sale apply.