

# Philbrick Associates

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## TECHNICAL DATA SHEET

### SUPERSEAL WATERPROOFER AND MARINE STEELGUARD

Bitumen Emulsion/Flexible Polymer Waterproofer and Marine Steelguard

#### DESCRIPTION

A patented bitumen emulsion containing an activated carbon additive, flexible polymers and UV inhibitors designed to waterproof concrete, fibre cement and protect corrugated iron, IBR sheeting, mild steel structures in land and marine environments and earth based surfaces.

#### PRODUCT TYPE

Selected bitumen emulsion combined with a flexible polymer to which a specially formulated carbon additive is inserted.

#### USES

Superseal/Marine Steelguard is recommended for application to the following substrates:

Flat Roofs

Flashings

Parapet Walls

Sealing laps, joints and roofing screws on corrugated roofs.

Decks, Superstructures and Internal areas in Marine environments.

#### ADVANTAGES

Superseal and Marine Steelguard is an all-in-one system with excellent adhesion and waterproofing properties. Can be applied at ambient temperatures, no heat is required for effective cure.

#### DRY FILM TESTS

Steel test panels coated with 2 coats of Superseal to a dry film thickness of 400 microns were subjected to the following tests:

1. 12 hours at 60 deg C in an incubator oven with no deleterious effects.
2. 250 hours at 100% relative humidity at 35deg C – no blistering, loss of adhesion or signs of rusting of the substrate.
3. 500 hours salt spray resistance to ASTM B-117 specification – no rust creep of the scribed metal surface exceeding 1mm. Coated film integrity was intact and there were no signs of blistering or loss of adhesion.

#### MIXING

Mix well before use.

#### SURFACE PREPARATION

Ensure that the substrate is free of oil, grease, fungal growth or loose and flaking particles.

#### APPLICATION

On cracked concrete:

First Coat: Brush on one thick coat to 1,2 litres/m<sup>2</sup> then embed the membrane well into the wet coating on flat surfaces it is recommended that a flute roller is used for this purpose. Membrane overlaps should be a minimum of 75mm on end laps and 50mm on side laps.

Second Coat: When the first coat has dried sufficiently (2-3 hrs) apply a second coat of Superseal to 1,2 litre/m<sup>2</sup> to ensure that the membrane is completely saturated and then allow to dry.

On un-cracked concrete apply 2 coats of Superseal at 1 litre/m<sup>2</sup> per coat (no membrane) allowing 2-3 hours drying between coats.

For metal substructures direct application or 2 coats of Marine Steelguard at 1 litre/m<sup>2</sup> per coat is recommended at the following application range:

Wet 350-450 microns per coat

Dry 180-230 microns per coat