

DATA SHEET

503

ANTI-OSMOSIS COATING (MARINE EPOXY MASTIC COATING)

(Page 1 of 4)

V1-28/11/2014

GENERAL DESCRIPTION

- 500 is a surface tolerant epoxy coating, filled with micro glass flakes, designed to protect surfaces with minimum preparation. It is a primer and top coat in one, also used to protect concrete and often used as a heavy duty floor coating.

PRINCIPLE CHARACTERISTICS

- Limited yellowing
- UV and weather resistant
- Excellent Corrosion Resistance
- V.O.C Compliant
- Minimum Surface Preparation to St2
- Grit blasting not essential
- Bonds to : Old paint, light rust, galvanized steel, damp surfaces, slightly oily surfaces
- Easy application by : Brush, roller, spray
- Excellent resistance to : salt water, petroleum products, dilute acids & alkalis
- Excellent Abrasion Resistance

SURFACE PREPARATION

- Remove salt contamination with fresh water and Holdtight 102. Mechanically clean to ST2. Sound old coatings may be left on.

HEALTH AND SAFETY

- Please read instructions on container.
- Avoid skin contact, do not inhale vapours.
- Skin: wash well with soap and water
- Eyes: Flush with water & immediately seek medical attention.
- Read 16 point Safety Data Sheet

DATA SHEET

503

ANTI-OSMOSIS COATING (MARINE EPOXY MASTIC COATING)

(Page 2 of 4)

V1-28/11/2014

TYPICAL PAINT SYSTEM

- Application by airless spray, bush or roller
 - 2 coats of 500 @ 150-200 μ DFT/coat
-

HOW TO SPECIFY

- All surfaces to be prepared and coated with 500 in accordance with the manufacturer's instructions.
-

DATA SHEET

503

ANTI-OSMOSIS COATING (MARINE EPOXY MASTIC COATING)

(Page 3 of 4)

V1-28/11/2014

TECHNICAL DATA

OPERATING TEMP. RANGE	: -40°C to +80°C
APPLICATION TEMPERATURE	: + 5°C to +40°C
COLOURS	: White,Grey,Red.
SOLIDS (% VOLUME)	: 75% +/- 2
SPECIFIC GRAVITY	: 1,5
FLASH POINT	: 35°C +/- 2
FLEXIBILITY	: Good
SPREAD RATE	: 2 coats @ 5m ² /litre/coat (170µ DFT per coat)
MIXING RATIO	: 4:1 (By volume)
INDUCTION TIME	: 10 minutes
POT LIFE	: 2 Hrs @ 20°C
OVERCOATING TIMES	: 15°C - 20 Hrs minimum : 30°C – 6 Hrs minimum
FULL CURE	: 7 Days @ 25°C
CLEANING SOLVENT	: Epoxy Thinners
STORAGE TEMPERATURE	: +5°C to 25°C
SHELF LIFE	: 24 Months
PACKAGING	: 5 and 20 litres

(Page 2 of 3)

DATA SHEET

503

ANTI-OSMOSIS COATING (MARINE EPOXY MASTIC COATING)

(Page 4 of 4)

VI-28/11/2014

TECHNICAL DATA

NOZZLE PRESSURE	:	15 – 20 Mpa
TIP SIZE	:	0,8mm – 1,1mm
SPRAY ANGLE	:	40 – 80°C
FILTER	:	Remove all filters
<u>Theoretical Spread Rate M² / l</u>		<u>Film Thickness (microns)</u>
		<u>Wet</u> <u>Dry</u>
Range	5,0–2,5	200 – 400 150 – 300
Typical	4,0	250 190

The technical data furnished is obtained from controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven fault our liability will be limited to the replacement of the product only. It is the users' responsibility to confirm the currency of product data sheets.