



ULTRATECT - BEAMASTIC

GENERAL FEATURES:

SELF PRIMING FINISH WHICH CAN BE OVERCOATED FOR DECORATIVE APPEARANCE.

EXCELLENT WETTING PROPERTIES, AND CORROSION RESISTANCE.

SUITABLE FOR FRESH OR SALT WATER IMMERSION.

EXCELLENT ABRASION RESISTANCE AND FLEXIBILITY.

SUITABLE FOR AGED COATINGS, STEEL, ALUMINIUM AND WHERE QUALITY SURFACE PREPARATION MAY NOT BE POSSIBLE.

PRINCIPAL USES:

Protective coating for Marine Offshore, Drilling Equipment mobile plant and Steelwork in highly aggressive environments.
Mining and Industrial Sites including pipes, roofs, tank exteriors.

RESISTANCE PROPERTIES:

Heat:	Good up to 100°C continuous exposure.
Abrasion:	Excellent when fully cured.
Water:	Excellent resistance to fresh & salt water immersion. (NOT tinted colours or aluminium)
Solvent:	Splash and spillage of most hydrocarbon solvents and alcohols.
Chemical:	Suitable for splash or spillage of mild acids and strong alkalis.
Weathering:	Excellent durability. Will chalk on exposure to ultra-violet light. This does not detract from other film qualities.
Toxicity:	Dry film non-harmful unless lead pigments used. Refer label for lead warning.

COLOURS:

375-6178	MIO Light Grey
375-6612	Aluminum
375-7051	Black
375-8090	White
	Other Colours Available.

** HARDENERS

375 – 9057	
375 – 9238	FAST – only recommended at ambient temperatures below 15°C

APPLICATION

Conventional Air Spray:

Airless Spray:

Typical set up 300-400 kPa, 2.2-2.5 mm Fluid Nozzle. Add 20% R202 Epoxy Reducer.
Typical set up 45:1 pump ratio with a fluid tip of approximately 474 micrometers (0.019 inch) and a nozzle pressure of 14 MPa (2000 psi). Thin with up to 5% R202 Epoxy Reducer if necessary.
Apply a full even coat to the recommended film build.
R202 Epoxy Reducer.

Brush/Roller:

Clean up:

GENERIC TYPE:	TWO COMPONENT MODIFIED POLYAMIDE EPOXY MASTIC.
SURFACE TO BE COATED:	STEEL, ALUMINIUM AND PREPARED CONCRETE
PRODUCT DESCRIPTION:	HIGH SOLIDS FLEXIBLE EPOXY MASTIC.

GENERAL PHYSICAL PROPERTIES AND APPLICATION DATA:

FINISH	Semi-Gloss.
COMPONENTS	2
HARDENER	EMH-9057 Pack B
THINNERS	R202-Epoxy Reducer.
MIXING RATIO (V/V)	3 parts Pack A 1 part Pack B**
POT LIFE	5-6 hours at 25°C.**
VOLUME SOLIDS %	80%
FLASH POINT	27 °C
RECOMMENDED DRY FILM THICKNESS PER COAT	200 microns
THEORETICAL COVERAGE	3.6 m ² /L at 200 microns DFT
PRACTICAL COVERAGE	Allow appropriate loss factor.
DRYING TIME (@ 25°C & 50 % RH)	Touch Dry 5-6 hours Hard Dry 16 hours Prior to immersion 7 Days. (see page 2 for more details)
RECOAT	16 hours minimum By itself 3 months maximum. Other topcoats 48 hrs maximum. (Page 2 for more details)
APPLICATION	Conventional or Airless spray. Brush/Roll small areas.
THINNING	See Coating System Recommendations.

NOTE: Do not apply at temperatures less than 5°C, or when the relative humidity exceeds 85%, or if the surface temperature is within 3°C of the Dew Point.



ULTRATECT - BEAMASTIC

COATING SYSTEM RECOMMENDATIONS

SURFACE	PREPARATION	SYSTEM	DRY FILM THICKNESS
STEEL	Hand or Power Tool Clean AS1627.2 Class 2 AS1627-4 Class 1 AS1627.7	ULTRATECT BEAMASTIC ULTRATECT BEAMASTIC ULTRATECT BEAMASTIC ULTRATECT BEAMASTIC	200 microns 200 microns 50 microns 200 microns
ALUMINIUM & GALVANISED STEEL	Clean & Degrease Surface. Mechanical Abrade.	ULTRATECT BEAMASTIC ULTRATECT BEAMASTIC	200 microns 200 microns
CONCRETE	Mechanical Abrade or Acid Etch. Dust off and wash with clean water and allow to dry.	ULTRATECT BEAMASTIC ULTRATECT BEAMASTIC (Thin first coat to 20% to allow for penetration of concrete.)	200 microns 200 microns

AT 25°C

DRYING TIME (@ 25°C & 50 % RH)	Touch Dry	5-6 hours
	Hard Dry	16 hours
	Prior to immersion	7 Days.

RECOAT	16 hours minimum	
	By itself	3 months.
	Other topcoats	48 hours

PACK SIZES	ULTRATECT BEAMASTIC - PACK A 3 Litre, 15 Litres
	ULTRATECT BEAMASTIC - PACK B 1 Litre, 5 Litres

AT 25°C WITH FAST HARDENER / 375 - 9238

NOT RECOMMENDED AT THIS TEMPERATURE

Touch Dry	2 hours
Hard Dry	16 hours
Prior to immersion	7 Days.

12 hours minimum	
By itself	1 month
Other topcoats	24 hours

HEALTH AND SAFETY

PACK A

UN NO.	1263
Flash Point	27°C
Packaging Group	III
Precautions	Flammable Flammable

PACK B

UN NO.	1866
Flash Point	27°C
Packaging Group	III
Precautions	

Contains volatile and flammable solvents. Keep away from all sources of heat and open flames. Do not smoke whilst handling. Wear suitable protective clothing to avoid contact with skin and eyes. Provide adequate ventilation during use and avoid breathing vapour. Do not spray in confined or poorly ventilated areas without the use of approved air supplied breathing apparatus.

FIRST AID

Eyes:	If paint splashed in eyes, irrigate with copious amounts of clean water for 15 minutes. Seek medical aid if irritation persists.
Skin:	If paint splashed on skin, wash affected area thoroughly with soap and water. If irritation persists seek medical aid. Remove all contaminated clothing and launder before re-use.
Inhalation:	If affected by exposure to vapours, remove from area, keep at rest and seek medical aid if symptoms persist.
Ingestion:	If swallowed, give glass of water to drink and seek medical assistance. Do not induce vomiting.

Consult separate Material Safety Data Sheet for more detailed Health and Safety information.

REVISED: March 2012

This information is furnished without warranty, representation, inducement or license of any kind except that it is accurate to the best of our knowledge. Beam does not assume any legal responsibility for use or reliance upon the same. Customers are encouraged to conduct their own tests. This information is non-controlled. It is the responsibility of the user to ensure that the issue is current.