



BERGER **Protecton** PROTECTIVE COATINGS

Protecteros CTE Mastic

USES

Recommended for use on structurals and pipelines which are exposed to marine environment or require water, oil and subsoil resistance. An ideal coating for use in refineries, petrochemicals, power generation plants with or without sacrificial anodes.

SCOPE

A self priming high build Tar Epoxy suitable for application on manually cleaned surfaces or aged coatings which are adherent and in sound condition. The product can be top coated with Protecteros Acrylic Finish or Aluminium Paints to provide an excellent protective system that combines anticorrosive properties with aesthetics.

PRODUCT DATA

Type : Two Pack, cured with Polyamide

Composition : Modified epoxy coal tar suitably pigmented

Mixing Ratio : Base : Catalyst – 1 : 1 by volume

Pot Life : 4–6 hours

Application : Brush or Airless Spray

Recommended DFT : 125–150 microns per coat

Corresponding WFT : 178–214 microns per coat

Theoretical Spreading Rate : 4.7–5.6 Sq. Mtr./Ltr.

Drying Time :

TOUCH : Overnight
HANDLE : 24 hours
HARD : 48 hours

Curing Time : 7 days

Overcoating Interval :

MIN : 24 hours
MAX : 5 days

Flash Point : Above 22° C

Colour : Black

Finish : Low sheen

Packing : 20 Ltrs.

Thinner/Cleaner : Thinner 844

Storage Life : Upto twelve months as long as the sealed containers are kept under cover in a dry place under normal temperature conditions.

RESISTANCE GUIDE

Chemical Resistance :

EXPOSURES	SPLASH & SPILLAGE	MILD FUMES / OUTDOOR RESISTANCE
Acids	Fair	Fair
Alkalis	Fair	Fair
Solvents	Fair	Fair
Salt	Excellent	Excellent
Water	Excellent	Excellent

Temperature Resistance :

Continuous : 93° C
Intermittent : 120° C

Weatherability : Good (Chalks)

Flexibility : Good

Abrasion Resistance : Good

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SURFACE PREPARATION

Remove grease, oil and other contaminants. Blast clean to a minimum of Sa 2 Swedish Standard SIS 05 5900. For severe corrosive conditions, blast to Sa 2 1/2 with a surface profile not exceeding 65 microns. If blasting is not practical, make full use of mechanical tools along with manual chipping and wire brushing etc., to clean weathered steel to St 2 Swedish Standard 05 5900.

The surface should be clean and dry before application of Protecteros CTE Mastic.

APPLICATION

Stir both the components thoroughly and then mix in recommended proportion to uniform consistency. Allow the mixture to mature for 30 minutes and stir again before use and during application.

Brush : Apply preferably without thinning. However, if required during application add maximum upto 10% Thinner 844.

Airless Spray : Apply preferably without thinning. However, upto 5% Thinner 844 may be added if absolutely essential depending on conditions. Use any standard equipment having pump ratio 40 : 1. Tip size 0.48 – 0.68 mm. Tip pressure 110–160 Kg/cm².

TYPICAL PAINTING SPECIFICATIONS

Surface	1st Coat	2nd Coat	3rd Coat	4th Coat
Steel	Protecteros CTE Mastic	Protecteros CTE Mastic	Protecteros Acrylic Finish	Protecteros Acrylic Finish
-do-	-do-	-do-	Aluminium Paint IS 2339	Aluminium Paint IS 2339
-do-	-do-	Aluminium Paint IS 2339	-do-	

Notes :

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 10° C or rises above 50° C and when relative humidity rises above 90%. Do not apply during rain, fog or mist.
3. Brushes and spray equipment should be cleaned with Thinner 844 otherwise equipment is likely to be damaged.

Health & Safety : Please refer to the separate Safety Data Sheet available with detailed information.

DISCLAIMER

The information contained within this Data Sheet is based on information believed to be reliable at the time of its preparation. The Company will not be liable for loss or damage howsoever caused including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.

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