



EPIPHENOLIC HBTL

USES

Recommended for use as a tank interior coating (both mild steel and concrete) in Refineries, Petrochemicals, Heavy Chemicals and other plants.

SCOPE

A high performance high build Epoxy Novalac Ceramic Filled tank liner for sustained immersion service in Hydrocarbon cargoes, refinery distillates, furnace oils etc., kept at elevated temperature. The self prime product possesses excellent chemical, water and solvent resistance.

PRODUCT DATA

Type : Two Pack High Build Epoxy Novalac

Composition : Novolac Epoxy suitably pigmented with ceramic inorganic fillers and colorants cured with modified amine hardener

Mixing Ratio : Base : Catalyst - 6.4 : 1 by volume

Application : Airless spray recommended for uniform and higher film build. Brushing for touching up small areas

Pot Life : 1- 2 hrs @ 27 °C

Recommended DFT : 150 - 200 microns per coat

Corresponding WFT : 214 - 286 microns per coat

Theoretical Spreading Rate : 3.5 -4.7 sq.mtr/ltr.

Drying Time :

TOUCH : 2 to 3 hours

HARD : Within 10 hours

Curing Time : 7 days

Overcoating Interval :

MIN : Overnight

MAX : 3 days

Flash Point : Above 250 C

Colour : Grey

Finish : Smooth with Egg Shell Gloss

Packing : 20 Ltrs

Thinner/Cleaner : Thinner 844

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

RESISTANCE GUIDE

Chemical Resistance :

EXPOSURES

IMMERSION

Acids

Very Good

Alkalis

Excellent

Solvents

Excellent

Salt

Excellent

Water

Excellent

Temperature Resistance :

Wet Heat upto 180°C

Flexibility : Good

Abrasion Resistance : Excellent

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SURFACE PREPARATION

Steel : Remove grease, oil and other contaminants preferably by using a degreasing solvent. Abrasive blast clean to a minimum Sa 2.5 Swedish Standards SIS 05 5900. For severe corrosive conditions, blast to Sa3 with a surface profile of 50-75 microns. The surface should be clean and dry before application of the primer coat.

Concrete : New Concrete : Ensure that the concrete is cured for a minimum of three months. The surface is to be made rough and free from laitance and other contaminants by sand sweeping. **Old Concrete** : Remove all salt deposits from the surface by water jet washing. Light sand blast the surface to remove all loosely bound coatings and roughening up of firmly adhering coatings to ensure anchorage with recommended system. Ensure all dust/other particles are fully removed by suction or air blast and the surface is fully clean and dry before application of the recommended Primer.

APPLICATION

Stir base thoroughly and then mix the components in the recommended ratio to a homogenous consistency. Allow the mixture to mature for 30 minutes and stir again before use and during application.

Airless Spray : Apply preferably without thinning. However, if required, add upto 5% Thinner 844. Use any standard equipment having pump ratio 45: 1 or more. Tip Size 0.53 - 0.63 mm. Tip Pressure 110 - 160 Kg/Sq cm.

Surface	1st Coat	2nd Coat	3rd Coat
Steel	Epiphenolic HBTL	Epiphenolic HBTL	Epiphenolic HBTL
Concrete or Plastered Surfaces	Epiphenolic HBTL (Thin Coat)	Epiphenolic HBTL	Epiphenolic HBTL

Precaution :

1. Use off the mixed paint within the stipulated pot life period.
2. Do not apply when temperature falls below 100 C or rises above 90%. Do not apply during rain, fog or mist.
3. Application equipments 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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