



DESCRIPTION

A two components polyamine cured High Build epoxy phenolic product designed for protection of steel, concrete lining ,organic zinc rich or inorganic zinc silicate prime surfaces .it forms a hard and tough coating , abrasion ,resistance and tank lining coating in severe marine and industrial environment .this product has excellent resistance to chemicals and solvent fumes, splash and spillage.

TYPICAL USES

As a maintenance coating it protect steel, concrete or inorganic zinc silicate surfaces against abrasion, Weathering, splash spillage and fume of alkali and salt solution and nuclear radiation. As a tank lining, it protect against alkali alcohol, jet fuel, salts, solvents, water and many food products. It also use on offshore platform structural, helideck and accommodation area as well as under decks and above water area of jackets. It is also for application on MS and concrete area of fertilizer plant, chemical units, refineries petrochemicals etc.

RESISTACE GUIDE

Chemical Resistance

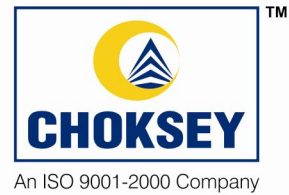
Exposures	Splash and spillage	Fumes
Acid	Excellent	Excellent
Alkali	Excellent	Excellent
Solvent	Excellent	Excellent
Salt	Very Good	Very Good
Water	Excellent	Excellent
Food products	Excellent	N/A

PRODUCT DATA

Mixing Ratio	: Base 4 parts by volume and Curing agent 1 parts by volume
Pot Life	: 3-4 hrs at 30°C
Application	: Airless spray/Conventional spray / Brush
Volume solid	: 70%
Recommended DFT	: 150-200 microns/coat
Theoretical spreading rate 150-200 microns DFT	: 3.5-4.6 Sq.Mtr/Ltr./coat
Surface Dry	: 2-3 hrs
Hard Dry	: Overnight
Fully cure	: 7 days
Colour	: Grey
Finish	: Satin finish
Overcoat Interval Min	: Over night
Max	: 5 days

MASTERCOAT EP 70

POLYAMINE-CURED HI-BUILD EPOXY



Flash Point	: Above
22°C Packing	: 20 Ltrs.
Thinner/ Cleaner	: Epoxy thinner
Storage life	: 12 months as long as the sealed containers kept under cover in a dry Place under normal temperature condition.
Primer recommended	: Not necessary

SURFACE PREPARATION

Coating performance, in general, is proportional to the degree of surface preparation. Surface must be clean, dry and free of all contaminants. Blast clean to a minimum of Sa2 ½ Swedish Standard SIS 05 5900. For severe corrosive condition, blast to Sa 3 with a surface profile not exceeding 65 microns. Special care must be taken on weld areas to remove flux and spatter.

New concrete: Ensure that the concrete is cured for a minimum of 3 months. The surface to be made rough and free from laitance and other contamination 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 coating and roughening up of firmly adhering coating to ensure anchorage with recommended system. Ensure all dust /other particles are fully removed by suction or air blast and the surface is fully cleaned and dry before application of painting. Where a primer is specified consult the application instruction for the primer.

APPLICATION

Stir base thoroughly and then mix four (4) parts base and one parts catalyst by volume to uniform consistency. Allow the mixture to maturation for 30 minutes and stirs again before application and occasionally during use.

Brush/Roller: apply without thinning. However, if required during application add up to 5% epoxy thinner.

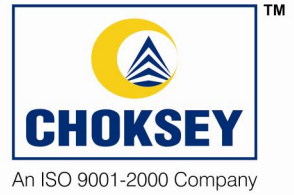
Conventional Spray: Add up to 10 %epoxy thinner depending on condition .Use any standard equipment at an atomizing pressure of 3.5-4.2 Kg /cm²

Airless Spray: Apply without thinning. However, up to 5% epoxy thinner may be added if absolutely essential depending on conditions. Use any standard equipment.

NOTES

- Uses off the mixed paint within the stipulated pot life period.
- Do not apply when temperature falls below 10°C or rise above 50°C and when relative humidity raise above 90%.Do not apply during rain, fog and mist.

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BASIC SAFETY MEASURE

- Avoid direct contact of skin and eyes with liquid paint and thinner .In case of contamination, rinse with fresh running water and seek medical help at once.
- Provide adequate ventilation in confined spaced.
- As paint contains inflammable material, keep away from sparks and open flames. No smoking should be Permitted in the area.