

## MASTERCOAT EP 66

### POLYAMIDE-CURED HI-BUILD EPOXY

### DESCRIPTION

**MASTERCOAT EP 66** is a two components polyamide cured High Build epoxy design for protection of steel, concrete 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          | Good                | Good      |
| Alkali        | Excellent           | Excellent |
| Solvent       | Very Good           | Very Good |
| Salt          | Excellent           | Excellent |
| 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 : 66%
- Recommended DFT : 100 - 125 microns
- Theoretical spreading rate  
 100 -125 microns DFT : 5.28 - 6.6 Sq.Mtr/Ltr.
- Surface Dry : 2 - 3 hrs
- Hard Dry : Over night
- Fully cure : 7 days
- Color : White
- Finish : Semi glossy

## MASTERCOAT EP 66 POLYAMIDE-CURED HI-BUILD EPOXY

- Overcoat Interval    Min        : Over night  
                              Max        : 5 days
- Flash Point                 : Above 22°C
- Packing                     : 20 Ltr.
- Thinner/ Cleaner        : Epoxy thinner
- Storage life                : 12 months as long as the sealed containers kept under cover in a dry place under normal temperature conditions.

### 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 Sa3 with a surface profile not exceeding 65 microns. Special care must be taken on weld areas to remove flux and spatter.

### CONCRETE

**New concrete:** Ensure that the concrete is cured for a minimum of 3 months. The surface is 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 stir again before application and occasionally during use.

#### Brush/Roller:

Apply without thinning. However, if required during application adds 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 /cm

#### Airless Spray:

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

## MASTERCOAT EP 66

POLYAMIDE-CURED HI-BUILD EPOXY

**PACKING-** 1 liter, 4 liters, 20 liters

### BASIC SAFETY MEASURE

1. 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.
2. Provide adequate ventilation in confined spaced.
3. As paint contains inflammable material, keep away from sparks and open flames. No smoking should be permitted in the area.

### NOTES

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