# Technical Data sheet

## Indopoxy 233

## Product Description

Indopoxy 233 is a Two component amine cured specillized formulated anti corrosive 'TRANSFORMER OIL HEAT RESISTANCE'. primer. Nippopoxy 233 is pigmented with Zinchromate (Yellow version) or Zinc Phosphate (HOR White) as corrosion inhibiting pigment to protect internal walls from corrosion.

## Recommended Use

It is specially designed to use as tank lining on MS/ CR surface of electrical transformer tanks, however it is also recommended to use on sheet metal in various fabrication Industries, Heavy machineries and can be applied on diverse areas of tank interiors/ exteriors, equipments, pipelines, structural steel etc.

## Physical Properties

| | | | |
|---|---|---|---|
| **Volume Solids** | : 45 ± 2% | **Temperature Resistance :** | |
| **Mixing Ratio:** Base: catalys | : 4:1 ( ByV/V) | Continuous | : $120^0$ C |
| **Pot Life:** | : 3 Hours @ 30°C | Intermittent | : $140^0$ C |
| **Application** | : Airless spray/Convetinal spray | **Weatherability** | : Good |
| **Recommended DFT** | : 40-60 µ's per coat | **Flexibility** | : Good |
| **Recommended WFT** | : 88.8-133 µ's per coat | **Abrasion Resistance** | : Good |
| **Theoretical Spreading Rate** | : 7.5 - 11.25 $m^2$/ ltr | **Colour** | : White & Yellow |
| **Drying Time :** | | **Finish** | : Matt |
| **Surface Dry** | : Max. 20 min @ $30^0$C | **Packing** . | : 5 L, 25 L |
| **Tack Free** | : Max. 3 Hour@$30^0$C | **Thinner** | : IK-1501 |
| **Hard dry** | : 12-16 Hours@$30^0$C | **Chemic resistanace:** | |
| **Overcoating Interval :** | | **Acid & Alkali** | : Good |
| **MIN.** | : 12 Hours | **Oil resistance** | : Good |
| | | **Solvent** | |
| **MAX.** | : 30 days | **Resistance** | : Good |

**Storage Life :** Upto 12 months when kept under sealed and controlled condition.

## Surface Preparation

All surfaces should be clean, dry, and free from contamination. The surface should be assessed and treated per ISO 8504. Oil or grease should be removed per SSPC-SP1 solvent cleaning. Damaged Area The damaged area should be prepared with abrasive blast cleaning to Sa 2½ (ISO 8501-1:2007). Mechanical cleaning St 3 (ISO 8501-1:2007) is acceptable when abrasive blasting is impossible.

## Appliaction Details

Stir components A and B separately and then mix the base and Hardener as per the recommended mixing ratio. Mix the paint properly after mixing and allow it to mature for 10-15 minutes and stir again before use and during application. For conventional Spray Add thinner 25-35% to get a proper application pattern. Brush: Apply preferably without thinning. However, add up to 5% Thinner if required during the application. Brushing is recommended for stripe coats and touch-ups of critical areas.

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**For Airless Spray** : Tip Size : 0.017” – 0.027”
Pressure at Nozzle : 180 – 200 kg/cm2
Thinner Intake: 0-10%

## Recommended system:

Subsequent Coating : Epoxy, Polyurethane

## Precautions

1. Do not apply in rain, fog or mist and when the surface temperature is $50^0$C and above.
2. Material should be used under speculate pot life.
3. The spray machine hose and paint storage equipement should clean with thinner 1702 or 1501 to avoid blockage and damage.
4. Below $10^0$ C and above 85% Relative humidity appliaction should be avoided. It creates paint defect.
5. application should be avoided when substrate temperature is less than $3^0$C than the dew point temperature

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