# EPOTECT GX

**CODE : 471-XXX/100**

## DESCRIPTION

A rust preventive primer for zinc galvanized steel based on epoxy resin and amine adduct hardener

## USE

Steel structure at marine or industrial severe corrosive environment

## COLOR AND GLOSS LEVEL APPEARANCE

- Grey, White
- Gloss Level : Sheen

## BASIC DATA

| Data for mix product | |
|---|---|
| Application Method | Airless spray, Air spray, Brush or Roller |
| Specific Gravity | 1.39 g/ml (mixtures) |
| Volume Solids | 67.5% (mixtures) |
| VOC | 452 g/Liter (Method 24 analysis) |
| Flash point | Base : 14°C Hardener : 28°C |
| Mixing Ratio | Base : Hardener = 9 : 1 by weight |
| Recommended DFT | 60 micron/ coat |
| Theoretical Coverage | 7 $m^2$/Kg at DFT 60 micron<br>9.7 $m^2$/Liter at DFT 60 micron<br>*Practical coverage vary depending on loss factor |
| Pot Life | At temperature 10°C 20°C 30°C<br>6 hours 5 hours 4 hours<br>*Use all mixed paint within pot life |
| Packaging | 4.5 Kg (3.12 Liter) Base in 5 Liter container<br>0.5 Kg (0.51 Liter) Hardener in 1 Liter container |

## SURFACE PREPARATION SUMMARY TABLE

| Substrate | Surface Preparation | |
|---|---|---|
| | Minimum | Recommended |
| Carbon Steel | St 3 (ISO 8501-1) | Sa 2 ½ (ISO 8501-1) |
| Galvanized Steel | The surface shall be clean, dry and appear with a rough and dull profil | Sweep blast-cleaning using nonmetallic abrasive leaving a clean, rough and even patter |

## APPLICATION

Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be minimum of 3°C above dew point.
Adequate ventilation shall be provided in confined spaces to ensure proper drying

| | | |
|---|---|---|
| Mixing | This material is a two component coating. Always mix a complete set unit in the proportion supplied. After mix, use all mixed paint within pot life specified<br>1).Stir Base (Part A) with power agitator<br>2).Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator | |
| Airless Spray | Recommended | Nozzle Tip : 0.38 – 0.48 mm<br>Nozzle Pressure : Not less than 10MPa |
| Air Spray (Conventional) | Recommended | Nozzle Orifice : 1.5 – 2.0 mm<br>Nozzle Pressure : 0.3 – 0.4 MPa |
| Brush | Recommended | Typically 30– 40µ can be achieved |
| Roller | Recommended | Typically 30– 40µ can be achieved |
| Thinner | Tect EP Thinner | max 10% depend on application method |

| Over coating interval for DFT 60 micron | | | | |
|---|---|---|---|---|
| Over-coating with | Interval | 10°C | 20°C | 30°C |
| Chlorinated rubber, and alkyd coating | Minimum | 48 hours | 16 hours | 10 hours |
| | Maximum | 1 month | 1 month | 1 month |

| Over coating interval for DFT 60 micron | | | | |
|---|---|---|---|---|
| Over-coating with | Interval | 10°C | 20°C | 30°C |
| Various two-pack epoxy and polyure-thane | Minimum | 48 hours | 16 hours | 10 hours |
| | Maximum | 1 month | 1 month | 1 month |

| Curing time DFT 60 micron | | | |
|---|---|---|---|
| Substrate temperature | Dry to touch | Dry to handle | Full cure |
| 10°C | 8 hours | 48 hours | 7 days |
| 20°C | 6 hours | 24 hours | 7 days |
| 30°C | 4 hours | 16 hours | 7 days |

## SAFETY PRECAUTIONS

For paint and recommended thinners, see safety sheet and relevant material safety data sheet This is a solvent borne paint and care should be taken to avoid inhalation of spray mist of vapor as well as contact between the wet paint and exposed skin or eyes

- Avoid at all times inhalation or aerosol spray-mist
- Harmful by inhalation and in contact with skin
- Highly flammable liquid and vapor
- Harmful to aquatic organism, may cause long-term adverse effects in the aquatic environment

## STORAGE

Store in dry, cool condition and away from sources of heat and ignition. Containers must be kept tightly closed. Store conditions shall be in accordance with national regulations

## DISCLAIMER

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TECHNICAL DATA SHEET KANSAI PAINT