Technical Data

# EPOMARINE PRIMER PC

ALESCO
Kansai Paint Protective Coatings

**GENERIC TYPE** Epoxy Tank Coating

**DESCRIPTION** A holding primer for interior surface of product tank based on epoxy resin and amine adduct hardener

**RECOMMENDED USE** Tank , pipe interior, underwater part

**FEATURES**
- Excellent resistance to rust turning after surface treatment
- Easy to adhere to deposits of welded beads and undercut area
- Free from dust by spray and good adhesion to steel surface
- Good adhesion property with subsequent coat of Epomarine PC 100 Primer
- Excellent chemical and solvent resistance
- Excellent water and salt water resistance
- Tough and tight film and excellent abrasion resistance

**PHYSICAL PROPERTIES**

| | |
|---|---|
| Colour | Pink |
| Finish | Matt |
| Volume Solids | 41 % |
| Typical Thickness | Dry : 50 microns / coat |
| Theoretical Coverage | 8.2 $m^2$/L at 50 microns DFT<br>*Practical coverage vary depending on loss factors. |
| Flash Point | Base : 27°C, Hardener : 9°C |
| Specific Gravity | 1.15 g/$cm^3$ (Pink) |
| VOC | 506 g/L |
| Temperature Resistance | Consult Kansai Paint representative |

*These numerical values are subject to normal manufacturing tolerances, colours and testing variances.

**SURFACE PREPARATION**
- All surfaces to be coated should be completely clean, dry and free from contamination. Surface preparation method shall be in accordance with ISO 8504: 2000.
- Remove salt and other water-soluble contaminants by fresh water.
- Remove oil and grease with suitable detergent or solvent (SSPC-SP-1).
- Remove rust, mill scale and other loose material completely by abrasive blasting (ISO8501-1:2007 Sa 2 1/2 or SSPC SP-10) .

**APPLICATION**

| | |
|---|---|
| Application Conditions | Ambient temperature shall be above 5°C and relative humidity shall be below 85%. Surface temperature shall be a minimum of 3°C above dew point.<br>Adequate ventilation shall be provided in confined spaces to ensure proper drying. |
| Mixing | Stir each component with power agitator well before mixing. Then power mix two components. |
| Mixing ratio | Base/Hardener = 80/20 by weight |
| Induction Time | 15 minutes after mixing base and hardener when ambient temperature is below 10°C. |
| Application Method | Airless spray<br>Thinner : Not required<br>Nozzle pressure: Not less than 10Mpa<br>Nozzle Tip : No.163-619～623<br>Power mix thinner if required.<br>*Too much thinning results sagging and slower cure. |

| | | | | |
|---|---|---|---|---|
| Clean Up | Clean all the equipment with thinner immediately after use. | | | |
| Pot Life | | 5 °C | 20 °C | 30 °C |
| | | 12 hour(s) | 8 hour(s) | 4 hour(s) |
| | *Use all mixed paint within pot life. | | | |
| Drying Time | | 5 °C | 20 °C | 30 °C |
| | Surface dry | 3 hour(s) | 2 hour(s) | 0.5 hour(s) |
| | Touch dry | 48 hour(s) | 12 hour(s) | 8 hour(s) |
| | *Drying time may vary depending on film thickness, ventilation, humidity, undercoat paint condition etc. | | | |
| Overcoating Interval | | 5 °C | 20 °C | 30 °C |
| | Minimum | 48 hour(s) | 16 hour(s) | 16 hour(s) |
| | Maximum | 28 day(s) | 14 day(s) | 7 day(s) |
| | *The overcoating intervals are based on overcoating with same or same type of paint. | | | |
| Typical undercoat | - | | | |
| Typical topcoat | EPOMARINE PC 100 UNDERCOAT | | | |

## SAFETY PRECAUTIONS

Detail information is given on Material Safety Data Sheet (MSDS). Avoid inhalation of spray mist or vapour. Avoid skin and eye contact. Paint contacted with skin should be immediately removed with water and/or suitable cleanser. Eyes should be flushed with water and seek immediate medical attention. Since this product contains flammable solvents, keep away from sparks and open flames. Application and handling of this product should be in compliance with relevant national regulations.

## 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.

## SHELF LIFE

12 months from date of production

## GENERAL REMARKS

- Surface preparation is blast cleaning only. Power tool cleaning surface is not suitable.
- Paint film shall be dried enough before overcoating. Insufficient drying may cause paint defect such as blistering.
- Good ventilation is required during application and drying, and avoid ignition and flame.

*If any inquiries, please consult Kansai Paint representative for further information.





ISSUED DATE : **12Nov2009**