

# AER 2C (I)

CODE : 393-XXX

INDUSTRIAL METAL FINISH

POLYURETHANE

## DESCRIPTION

Two components Polyurethane paint based on Acrylic Polyol Resin and polyisocyanate as hardener.

## USE

Top Coat for Industrial coating.

## PRODUCT FEATURES

1. Good weathering resistance.
2. Good solvent & chemical resistance.
3. Good adhesion & hardness.
4. Good appearance & gloss.

## COLOR AND GLOSS LEVEL APPEARANCE

Yellow.

## BASIC DATA

Data for mix product	
Number of components	Two
Application Method	Airspray, Airless spray
Specific Gravity	1,2 kg/Liter (depend on color)
Volume Solids	54 ± 3 %
Theoretical VOC	420 gram / Liter
Mixing Ratio	Hardener AER 2C (I) Hardener (393-011)      Ratio B : H 6 : 1 (by weight)
Thinner	Retan PG KI Thinner (294-024)
Thinning Ratio	20-30%
Recommended DFT	40 - 50 micron
Theoretical coverage	10 m <sup>2</sup> / Liter
Pot Life	At temperature    5°C    20°C    30°C    40°C 4 hours
Flash point	22°C
Recommended Primer	KS720 Primer, Metal Grip 600 Primer
Packaging	0.8 Kg, 4.8 Kg, 22 Kg

## SURFACE PREPARATION INSTRUCTION

- All surface to be coated should be completely clean, dry and free from contamination.
- Remove Salt and other water-soluble contaminants by fresh water.
- Remove Oil and grease with suitable detergent or solvent.
- Remove rust, mill scale and others loose materials completely by dry abrasive blasting (ISO 8501 Sa 2½), wet abrasive blasting (SSPC Vis 5) or Powertools cleaning (SSPC SP3 : St2/St3).

## APPLICATION

Equipment Use	Volume of thinner	Viscosity
Airspray	20 - 30 %	18 - 20 sec/NK <sub>2</sub>

Over-coating interval for DFT 50 micron						
Over-coating with	Interval	5°C	10°C	20°C	30°C	40°C
PU 2K	Minimum Interval Coating			24 hours	16 hours	10 hours
	Maximum Interval Coating			7 days	7 days	7 days

Curing time DFT 50 micron			
Substrate temperature	Dry to touch	Dry to handle	Full cure
AIR DRY : 30°C	2 hours	4 hours	8 hours
FORCE DRY : 80°C	15 minutes	30 minutes	60 minutes

## 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.

## DISCLAIMER

Spreading rate, drying time, and other numerical parameters are based on controlled environment test and evaluation. It may vary on actual usage due to differences on surface type and porosity, surrounding humidity and temperature, painters' skill and equipment, and other external factors. User should always consult with Kansai Paint for specific guidelines on particular paint jobs for the best result. All information can be adjusted accordingly without further notice.