

# 2K MF COAT

CODE : 390-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

Grey (on request).

## BASIC DATA

Data for mix product	
Number of components	Two
Application Method	Airspray, Airless spray
Specific Gravity	1,35 Kg/Liter
Volume Solids	49 ± 3 %
Theoretical VOC	459 gram / Liter
Mixing Ratio	Hardener 2K MF Coat Hardener (390-100)      Ratio B : H 10 : 1 (by weight)
Thinner	Retan PG 60 KI New Thinner (294-060)
Thinning Ratio	40 - 50 %
Recommended DFT	30 - 40 micron
Theoretical coverage	10.88 m <sup>2</sup> / Liter
Pot Life	At temperature    5°C    20°C    30°C    40°C 4 hours
Flash point	28°C
Recommended Primer	KS720 Primer, KW Primer, K600 Primer
Packaging	1 Kg, 2 Kg, 20 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	40 - 50 %	14-15 sec/NK <sub>2</sub>

Over-coating interval for DFT 40 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 40 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.