

FLUORINE TOP COAT - OREFLON 500



OREFLON is a backing fluorine resin paint which uses 70% or more of PVdF-type resin and pigments with outstanding weather resistance to provide superior resistance under harsh conditions such as air pollution and extreme weather changes, satisfying the international substance property standard AAMA 2605.

Usage

AL panel, AL sheet, curtain wall
Interior and exterior of building structures such as window sills and panels

Specification

Paint type	PVdF-type fluorine resin paint		
Product features	1. Exhibits extreme weather resistance of over 20 years due to the combination of PVdF resin and pigments with outstanding weather resistance. 2. Has outstanding erosion resistance due to low moisture penetration. 3. Has outstanding chemical resistance due to low surface energy and chemical inertness. 4. Has outstanding processibility and elasticity. 5. Has outstanding color stability, workability, and productivity		
Specific gravity (25 °C)	1.1 - 1.3 (Varies according to color)	Drying temperature	230 - 240 °C x 10 mins
Thickness of dried film	20 ± 5 µm	Viscosity (KU/25 °C)	80 ± 5
Gloss	Semi-gloss, matte	Shelf life	12 Months
Color	Designated color	Thinner	NSS-70

Product Properties (Physical Property Data)

Pencil hardness	Berol Eagle Turquoise Pencil	ASTM D3363	F Min.
Adhesion - Dry adhesion	1mm Cross Cut	ASTM D3359	100/100
Mortar resistance	Mortar PAT 24hrs	AAMA 2605	No Visual Change No Blistering
Muriatic Acid Resistance	10% muriaticacid , 15mins	AAMA 2605	No Visual Change No Blistering
Nitric Acid Resistance	70% HNO3 , 30mins	ASTM D2244	△E = 5 Max.
Window cleaner resistance	10 Drops , 24hrs Cross Cut	AAMA 2605	No Visual Change No Blistering

How to Use

Surface treatment	1) Pre-treat with chromate or non-chromate. 2) Completely remove oil, moisture, sand, dust and foreign substances from the surface.		
Coating Method	• Electrostatic spray		
	Recommended thinner	NSS-70	Dilution viscosity 13 - 16 seconds (Ford cup #4/20°C)
	Recommended coating tool	—	Spray pressure 4 - 5 kg/cm ²
	• Air spray		
	Recommended thinner	NSS-70	Dilution viscosity 16 - 25 seconds (Ford cup #4/20°C)
	Recommended coating tool	—	Spray pressure 3 - 5 kg/cm ²

* Please inquire the technical department prior to using this product to familiarize yourself with the handling and painting precautions.

* Please store the product indoors below 30 °C.

* For the final approval of color, it is recommended to use a sample that was processed according to the standard painting specifications in the production line.

* OREFLON with metallic color is a mixture of special pigments and requires clear painting in order to express more varied colors.