

# OREFLON-203

## Fluoride resin contained top coat



This paint is a super weather-resistant, room-temperature drying polyvinylidene fluoride paint with excellent chemical safety. As it shows strong performance in terms of weather resistance, chemical resistance (acid, alkali) and stain resistance, it is suitable for bridges of large steel structures, vessels and large factories. It is an excellent paint that is expanding its range of use as an advanced future paint from industrial use to heavy duty coating, taking advantage of its characteristics since the inception of the U.S. Apollo program.

### Usage

1. Large structures: steel bridges and buildings, plants, etc.
2. Machinery: automobiles, aircrafts, vessels, home appliances, and other machines, which require durability
3. Others: Steel structures exposed to direct sunlight for a long period of time

### Specification

Paint type	Air-drying PVDF (Polyvinylidene Fluoride) / top coat (2-Component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	2 hours	1 hour	40 minutes
	Dry-hard	20 hours	8 hours	6 hours
	Over-coat (Min.)	32 hours	12 hours	8 hours
	Over-coat (Max.)	10 days	7 days	5 days
	Maturation time	1 hour	30 minutes	20 minutes
	Pot life	8 hours	5 hours	3 hours
Thinner	DR-4000, DR-4000(S)-summer time	Dilution ratio (Volume)	▷ Spray coating: less than 20%	
Specific gravity	Approx. 1.2(White)		▷ Airless, spray coating: less than 15%	
Theoretical Coverage	12.3 m <sup>2</sup> /ℓ (1 time - 30μm)	Solid volume ratio	37±1%	
Color	White and ordered colors (Color limitation may apply due to paint properties.)	Thickness of dried film	30μm	
Mixing ratio	Base(A)/Hardener(B)=7/1(Weight)	Shelf life	12 months (Dry, cool, and dark place with good ventilation)	
Gloss	Glossy, half-glossy and matte			

### Product Properties (Physical Property Data)

Weather resistance	It is an air-drying paint boasting 20 years of weather resistance.
Chemical resistance	This paint is excellent in chemical resistance.
Workability	Repair painting is easy.

### How to Use

Surface treatment	<ol style="list-style-type: none"><li>1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.</li><li>2. Sufficiently dry the surface to be coated before coating.</li><li>3. The welded parts and corners need to be cleaned before coating.</li></ol>
Coating Method	<ol style="list-style-type: none"><li>1. Coating can be done by either brush, roller, air or airless spray coating.</li><li>2. Airless spray coating :<ul style="list-style-type: none"><li>- Tip diameter : 0.017"~0.021"</li><li>- Injection pressure : More than 2500 P.S.I (176kg/cm<sup>2</sup>)</li><li>- Store the coating equipment after cleaning with an exclusive thinner immediately after use.</li></ul></li><li>3. The surface to be coated must be clean. The surface temperature should be at least 3°C higher than the dew point to avoid the condensation of water, and the relative humidity should be less than 85%.</li></ol>
Preceding & Follow-up Coating	<ol style="list-style-type: none"><li>1. Preceding coating : Epoxy system, urethane paint</li></ol>
Remarks	<ol style="list-style-type: none"><li>1. Sufficient performance after last coating is achieved after drying for 7 days at 20°C.</li></ol>