

WANARMOR®FC261

Fluorocarbon Topcoat

Product Description

WANARMOR®FC261 is an exceptional two-component weather-resistant topcoat. Its molecularly strong F-C bond endows the fluorocarbon coating with optimal resistance to UV aging. The film exhibits superior weather resistance, color retention, and gloss retention. Furthermore, the fluorocarbon coating possesses excellent self-cleaning properties, delivering a smooth surface that resists soiling.

Product Characteristics

Excellent weather resistance, excellent color retention, excellent stain resistance, excellent abrasion resistance.

Recommended Uses

Can be applied as a topcoat in severely corrosive environments where extremely high weather resistance is required.

Technical Specifications

Physical Parameters

Color	White, or as per user requirements
Gloss	Glossy
Specific Gravity	Approx. 1.5 kg/L
Solids By Volume	65±2%
Theoretical Spreading Rate	10.8 m ² /L, DFT: 60 µm
Flash Point	33°C
VOC	350 g/L

Surface Preparation

Prior to application, the surface of the object to be coated must be free of grease, dust, moisture, and other contaminants, and must have an appropriate primer applied. To ensure the appearance of the paint film, the primer must be smooth and level, free of surface defects such as dry spray or orange peel.

Application Guidance

Application Method

Airless spraying, brushing, rolling.

Mixing Ratio

Volume Ratio: 10.5(Base) : 1(Hardener)

Pot Life: 5 hours/20 °C

Hardener

CFC2610

Thinner

WANARMOR®TH005

Cleaning Agent: WANARMOR®TH005

Film Thickness

Film Thickness	
Wet Film	100 µm
Dry Film	65 µm

Drying Time

Surface Temperature	20°C
Surface Dry	1 hours
Hard Dry	6 hours
Fully Cured	7 days
DFT: 50 µm	

Overcoating Interval

Product Name	0°C	10°C	20°C	30°C
Fluorocarbon Topcoat	Lowest	24 hours	12 hours	8 hours
FC261	Highest	63 days	28 days	12 days

Ambient Temperature

5°C~40°C. Avoid application when relative humidity exceeds 85%.

Surface Temperature

Above the dew point by 3°C or more.

Recommended Method

Tools	Application Parameters
Airless Spray	Nozzle Pressure: 15 MPa
	Nozzle Size: 0.43-0.48 mm

WANARMOR®FC261 can be applied using airless spraying, roller coating, or conventional spraying.

Mixing and Thinning

WANARMOR®FC261 is a two-component product with a precise mix ratio. First, stir the Base until uniform and free of lumps for no more than 2 minutes. Then slowly add the hardener and stir for 3 minutes. Use a variable-speed power mixer. Avoid overmixing, as this accelerates curing and reduces product lifespan. High temperatures shorten the mixture's pot life, while low temperatures extend it. If necessary for application conditions, add a small amount of thinner (5% or less), subject to local regulations regarding volatile organic compounds (VOCs) and air quality.

Ventilation

For the safety of construction personnel and the proper performance of this product, all areas of the construction site must be well ventilated.

Packaging and Storage

Packaging

Two-component, 20 liters combination packaging.

Storage

Products must be stored in accordance with national regulations. Keep in a cool, well-ventilated area away from heat and ignition. Containers must be kept tightly closed.

Shelf life

1 year

Safety Precautions

Warning

May cause eye and skin irritation. Vapors may cause respiratory irritation in sensitive individuals. May cause skin sensitization. Avoid breathing vapors. Avoid contact with eyes and skin. Use eye, ear, and skin protection, and wear an appropriate respirator to avoid potential respiratory irritation. After use, thoroughly

wash skin with water. If discomfort occurs, consult a physician. Wash clothing before reuse. If breathing has stopped, perform artificial respiration, preferably mouth-to-mouth, and seek medical attention. Burns: Exothermic reactions may cause product to become excessively hot. Handle mixtures with caution. Wear gloves. First Aid: If product contacts eyes, immediately flush with water for at least 15 minutes. Remove contaminated clothing and shoes. Wash exposed skin with soap.

Before and during use, observe all safety labels on the packaging. Consult the Safety Data Sheet and comply with relevant national or local government safety regulations.

Statement

The information listed in this document is reliable. Each value provided is calculated as theoretical data based on the product formulation. Upon request, our company can disclose the internal standard measurement methods used to determine any of the above data. Since usage conditions are beyond the manufacturer's control, this information is provided without warranty. The product is intended for professional use only. For any inquiries, please contact our company.

Our Technical Support and Customer Service Center is available to provide consultation and application technical services regarding the product. We welcome your inquiries via mail or phone. National Customer Service Hotline: 400-059-1116 ext. 3.