

WANARMOR®AC161

Acrylic Topcoat

Product Description

WANARMOR®AC161 is a topcoat formulated with acrylic resin, non-chlorinated plasticizers, and weather-resistant pigments, offering excellent gloss retention and color stability.

Product Characteristics

Fast drying, excellent gloss and color retention.

Recommended Uses

Topcoat for acrylic and chlorinated rubber coating systems, suitable for moderate to severe corrosion environments.

Technical Specifications

Physical Parameters

Resin Type/Pigment Type	Acrylic Resin/Weather-resistant pigment
Color	White, gray, or customized to user specifications
Gloss	Semi-gloss
Density	Approx. 1.2 kg/L
Solids By Volume	50±1% (Theoretical Value)
Theoretical Spreading Rate	12.5 m²/L, DFT :40 µm
Flash Point	25°C (77°F)
VOC	520 g/L

Surface Preparation

WANARMOR®AC161 is designed for application on surfaces free of grease, dry dirt, dust, moisture, and other contaminants, and which have been properly primed for correct coating. For questions, contact your local office.

Application Guidance

Application Method

Brush application, roller application, airless spray application.

Thinner

WANARMOR®TH015

Cleaning Agent: WANARMOR®TH015

Recommended Primer

CR113 Chlorinated Rubber Aluminum Primer, CR112 Chlorinated Rubber Iron Oxide Red Primer, AC112 Acrylic Primer, EP111 Epoxy Anti-Rust Primer, EP141 General-Purpose Wear-Resistant Epoxy Coating, or as specified.

Ambient Temperature

Maximum: 40°C.

Avoid application when relative humidity exceeds 85%.

Surface Temperature

Minimum: 3°C above dew point.

Recommended Method

Tools	Application Parameters
Airless Spray	Nozzle Pressure: 15MPa
	Nozzle Size: 0.33-0.48mm

WANARMOR®AC161 can be applied using conventional spray, roller, or airless spray methods; nozzle size: 0.33-0.48mm, outlet pressure: 15 MPa. For optimal results, ensure equipment and fluid lines are clean and free of water and solvents. Exercise caution to achieve the correct and uniform film thickness.

Mixing and Thinning

WANARMOR®AC161 is a single-component product. Stir the coating to achieve uniform viscosity; stirring should not exceed 2-3 minutes. Dilution is generally not required or recommended. However, due to application considerations, a small amount of thinner (5% or less) may be added, subject to local regulations governing volatile organic compounds (VOCs) and air quality.

Ventilation

For the safety of construction personnel and the proper performance of this product, it is important that all areas of the enclosed space are well ventilated. It is recommended that WANARMOR®AC161 not be applied too thickly.

Drying and Recoating

Drying Time

Surface Temperature	5℃	10℃	20℃	30℃
Surface (touch) dry	1.5h	1h	0.5h	0.5h
Walk-on-dry	10h	8h	6h	4h

Drying and curing times are determined based on specified film thickness ranges under controlled laboratory temperatures and relative humidity below 85%;

Surface (Touch) Dry: A state where light finger pressure leaves no fingerprint residue or tackiness. Loose dry sand scattered on the surface can be brushed off without adhesion or surface damage;

Walk-on-dry: The shortest time after application when the coating permits normal foot traffic without leaving permanent footprints, marks, or other physical damage;

Maximum Recoat Interval, Ambient Conditions: The maximum time interval before applying the next coat without any surface preparation;

Dry/Cured to Serviceability: The shortest time after application when the coating can be permanently exposed to a specific environment/medium.

Overcoating Interval

	5℃	10℃	20℃	30℃
Minimum	16h	12h	8h	6h
Maximum	-	-	-	-

Packaging and Storage

Packaging

Single-component, 20 kg 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.