WANARMOR®EP001

Epoxy Sealer

Product Description

WANARMOR® EP001 is a low-viscosity, two-component epoxy sealer with excellent penetration properties. It serves as a sealing primer for concrete corrosion protection or floor coating applications, providing superior adhesion for subsequent layers.

Product Characteristics

Excellent permeability, easy to apply.

Recommended Uses

For sealing clean concrete surfaces prior to color paint application. Particularly suitable for use with high-performance paint systems and chemical-resistant coatings.

Technical Specifications

Physical Parameters

Paint Type/Pigment Type	Epoxy Resin/Polyamide Hardener
Color	Transparent
Gloss	High Gloss
Specific Gravity	Approx. 1.0 kg/L
Solids By Volume	Approx. 45%±2%
Theoretical Spreading Rate	10 ㎡/L，DFT:100 μm
Flash Point	25℃
VOC	483 g/L

Surface Preparation

Concrete must be fully cured, which takes approximately 28 days for ordinary Portland cement. After thorough drying, the surface moisture content must be below 4%. During curing, the relative humidity must not fall below 30%.

Application Guidance

Application Method

Conventional spraying or airless spraying.

Mixing Ratio

Mass Ratio: 4 (Base): 1 (Hardener)
Pot Life: 6 hours at 25℃

Hardener

CEP0010

Thinner

WANARMOR®TH003
Cleaning Agent : WANARMOR®TH003

Ambient Temperature

10℃~40℃.Avoid application when relative humidity exceeds 85%.

Surface Temperature

At least 3℃ above the dew point and not less than 10℃.

Recommended Method

Tools	Application Parameters
Airless Spray	Nozzle Pressure: 15 – 20 MPa Nozzle Size: 0.4 – 0.5 mm

WANARMOR® EP001 can be applied using conventional spraying or airless spraying.

Mixing and Thinning

WANARMOR®EP001 is a two-component product with a precise component ratio. Each pail must be thoroughly mixed before use. 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. Generally, do not dilute. If necessary, add a minimal amount of thinner (5% or less), depending on local regulations regarding volatile organic compounds (VOCs) and air quality.

Ventilation

Maintaining good ventilation in enclosed spaces is crucial for the safety of construction personnel and for ensuring the proper performance of this product. Air must be dry, as this product cannot be applied when humidity exceeds 85%.

Drying and Recoating

Dry Time

Surface Temperature	10℃	20℃	30℃	40℃
Surface (touch) dry	6h	4h	3.5h	3h
Walk-on-dry	24h	12h	10h	10h

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 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

	10℃	20℃	30℃	40℃
Lowest	6h	4h	3.5h	3h
Highest	Unrestricte	Unrestricte	Unrestricte	Unrestrict

Packaging and Storage

Packaging

Two-component, 20 kg 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.