

WATER-BASED EPOXY PRIMER



This paint is a water-based epoxy paint manufactured by using emulsion epoxy resin and water-based amine curing agent, which is excellent in adhesion and water resistance. It is a transparent primer that promotes interlayer adhesion with the top through uniform penetration of concrete and mortar surfaces.

Usage

Water-based epoxy primer for concrete walls of commercial facilities, residential areas, public facilities, etc.

Specification

Paint type	Water-based epoxy / Concrete wall undercoat (2K)			
Drying time	Category	10°C	20°C	30°C
	Dry-hard	24 hours	8 hours	6 hours
	Over-coat (Min.)	24 hours	8 hours	5 hours
	Over-coat (Max.)	10 days	7 days	5 days
	Pot life	2 hours	1.5 hours	1 hour
Thinner	Tap water	Dilution ratio	▷ Brush, roller coating: less than 10% ▷ Airless, spray coating: less than 5%	
Specific gravity	Approx. 1.0			
Theoretical Coverage	7~8 m ² /ℓ (1~2times)	Solid volume ratio	Approx. 30%	
Color	Transparent	Thickness of dried film	40μm	
Mixing ratio	Base(A)/Hardener(B)=2/1 (Weight ratio)	Flash point	Not Applicable	
Gloss	Glossy	Shelf life	12 months (well-ventilated dry, cold and dark location)	

Product Properties (Physical Property Data)

Workability	Two-component water-based epoxy wall undercoat with excellent mixing and painting workability
Excellent film property	Adhesion and water resistance are excellent.

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove oil, moisture, sand, dust, and other foreign matter from the surface to be coated.2. Sufficiently dry the surface to be coated before coating.3. Check the adhesive powder before coating on the waterproofed concrete mortar surface since a problem of layer separation, etc. may occur.
Coating Method	<ol style="list-style-type: none">1. Coating can be done by either brush, roller, air or airless spray coating. - For roller coating, oil roller is suitable.
Remarks	<ol style="list-style-type: none">1. Blend the main agent and the hardener at a mixing ratio specified before use and mix evenly. (using a power stirrer).2. As this product has a short pot life, it should be used within the pot life (especially during the summer). - It has a shorter pot life compared to oil-based epoxies and causes adhesion deterioration if a paint with a expired pot life is applied.3. If it is applied in an enclosed space, water evaporation is very delayed, thereby resulting in drying failure. Therefore, use appropriate methods to ensure that water evaporation can occur smoothly.4. About 40μm is appropriate for one coat, and avoid forming thick coating when applying one coat. (which causes sagging and drying failure).5. Store the paint at 5°C or higher.6. For coating areas exposed to the outside, yellowing and chalking may occur in a short period of time due to the effect of sunlight.