

WATER-BASED ELASTIC WATERPROOFING

Waterborne gloss paint

This paint is an economical and practical water-based elastic waterproofing paint with a special elastic acrylic emulsion as the main ingredient which gives flexible elasticity and especially excellent adhesion to concrete to maintain effective waterproofing performance even in the severe cold of winter and the intense heat of summer. The coating film formed seamlessly after drying has excellent water resistance, sufficient elasticity and tensile strength to prevent the coating film from being cracked or damaged due to the impact, shrinkage and expansion of the building, and has excellent surface adhesion and durability even in the long-term outdoor exposure conditions where immersion is repeated, thereby making it suitable for waterproofing of the rooftop or roof of new or old concrete structures.

Usage

Waterproofing for roofs and rooftops of new or old concrete buildings

Specification

Paint type	Special elastic emulsion water-based exterior / Intermediate/top coat			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	2 hours	1 hour	40 minutes
	Time required for re-coating (min.)	5 hours	3 hours	2 hours
Thinner	Undiluted paint (Diluting with water up to 5%, if necessary)		Coating Method	Brush, roller, spray
Specific gravity	Approx. 1.34 (based on white color)		Solid volume ratio	Approx. 48% (based on white color)
Theoretical Coverage	Approx. 0.5 m ² /ℓ		Thickness of dried film	1mm (4 coats)
Re-coating interval	20°C, sufficient ventilation for a minimum of 3 hours		Color	White, other colors
Gloss	Matte		Storage and preservation	12 months (well-ventilated dry, cold and dark location, room temperature 5°C~30°C, humidity less than 80%)

Product Properties (Physical Property Data)

Excellent waterproofing ability	As an integrated continuous elastic film is formed, excellent waterproofing performance is exhibited, and resistance to vibrations and cracks is strong.
Workability	As it is a one-component water-based type, workability is excellent.
Workability	It has little odor as it is a water-based type unlike existing oil-based waterproofing materials.

How to Use

Surface treatment	1) The material should be sufficiently cured (cured more than 30 days at 20°C) 2) Laitance, dust, oil and other contaminants on the surface must be completely removed. 3) The proper pH of the material must be less than 9, and the percentage of moisture content must be less than 6%. 4) The gaps and grooves on the surface must be filled with exterior water-based putty, and surface adjustment should be made before coating.
Coating Method	1) Primer ① After surface treatment, dilute the water-based elastic waterproofing primer with water up to 100%, and apply once at a dry film thickness of 20μm with a roller or brush. ② For areas where the absorption of the surface is severe, apply once more coating. 2) Intermediate / top coat ① After at least 8 hours at 20°C following undercoating, apply this paint 3~4 times with a brush, roller or spray to get a dry film thickness of 1000μm. ② At this time, undiluted paint is recommended, but if necessary, it can be diluted to less than 5% with tap water for coating. ③ The re-coating interval is at least 3 hours at 20°C after intermediate coating. <u>※ If contamination resistance and the extension of life span of intermediate or top coats are desired, water-based elastic waterproofing topcoat should be applied.</u>