WATERPROOFING KEEPER

Water-based elastic waterproofing for concrete wall

This paint is a water-based elastic paint made mainly of special elastic acrylic emulsion resin and pigment with excellent durability and hiding power. It forms a strong and dense surface structure and an elastic coating film to prevent hairline cracks and to enable washing by water. It is a water-based elastic waterproofing paint for walls, which can be used for various purposes on the inner and outer surfaces of concrete and cement structures.

Usage	Finish coating for exterior walls of alkaline material such as concrete, cement mortar, P.C., plaster, etc.

Specification

Paint type	Acrylic emulsion water-based exterior / Top coat			
Drying time	Category	10℃	20℃	30℃
	Dry-through	8 hours	5 hours	4 hours
	Time required for re-coating (min.)	6 hours	5 hours	3 hours
Thinner	Use of undiluted solution (Less than 5% tap water if necessary)	Coating Method	Brush, roller, spray coating	
Specific gravity	Approx. 1.34(Based on white color)	Solid volume ratio	Approx. 39 % (Based on white color)	
Theoretical Coverage	3~5 ㎡/ℓ	Thickness of dried film	100㎛ (3~4times)	
Re-coating interval	20℃, Sufficient ventilation for a minimum of 5 hours	Color	White and other colors	
Gloss	Matte			
Storage and preservation	12 months (Dry, cool, and dark place with good ventilation, room temperature 5℃~30℃, humidity less than 80%)			

Product Properties (Physical Property Data)

Flexible elastic film	The elastic film supplements microcracks, not only preventing water leak but also preventing bad appearance.
Dense film composition	The dense film can keep a clean appearance as it is difficult for contaminants to be adsorbed, and water-washing is possible.
Superior weather resistance	It has excellent long-term weather resistance and maintains the initial coating appearance for a long period of time.

How to Use

Surface treatment	1. The material should be sufficiently cured (cured more than 30 days at 20℃) 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. 5. After the substrate treatment, if necessary, apply 15㎛ D.F.T. of Waterbased Penetrative Sealer DNX-4001 with a roller or a brush to prevent poor adhesion and discoloration defects. 6. For areas where the absorption of the surface is severe, apply once more after at least 3 hours at 20℃.
Coating Method	① After at least 8 hours at 20℃ following undercoating, apply this paint 3~4 times with a brush, roller or spray to get a dry film thickness of 1000㎛. 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 5 hours at 20℃ after top coat.