

Water-soluble epoxy coating

WATERGUARD 600



WATERGUARD 600, as a waterborne epoxy resin, has excellent adhesion and chemical, water, and abrasion resistances similar to a solvent based epoxy. It takes the advantages a solvent based epoxy offers without any harmful solvent components. Also, this goods proportionate to KS D 8502 water extractable test and have certification of KC which is safety standards of sanitation.

Usage

Used for interior of drinking water tanks such as apartments and water-supply wagons.(Only concrete surface)

Application Procedure

Procedure	<ol style="list-style-type: none">1. Surface preparation Prepare the surface free from any loose cement, dust, oil, moisture and other contaminants.2. Environmental Conditions Over 10°C is ideal for painting and hardening. The surface temperature must be at least 3°C above the dew point to prevent moisture condensation. Relative humidity: Up to 70%3. Application Equipment Power mixer, roller and brush(Airless spray is not recommended.) Recommended thinning ratio: About 5%
Caution for usage	<ol style="list-style-type: none">1) Mix the material according to designed mixing ratio and use after stirring it until uniformly blended. And, Use the mixed paint within pot life.(After pot life crack can be occurred)2) Avoid applying paint on rainy days, high humidity(Over 70%) day, low temperature(Under 10°C) condition.3) Even if you use same product(color, lot), the painting equipment and method(thinning ratio) can cause different color. So, you should check the color before using it.4) Over thinning ratio makes lower the film properties.5) When applying in a confined space, the space should be ventilate thoroughly for curing.(Water vapor cannot evaporate in confined space due to the saturated vapor pressure)6) Moisture content of concrete should be fully dry to below 6%.7) When applying over old coating, check the adhesion with old coating.8) It is not recommended as floor coating.9) Primer of concrete is not recommended due to poor water resistance.10) When apply this paint to immersion region of concrete managing waterproofing, it is possible to occur peeling. So, coating work have to be proceeded after checking the adhesion with our products.11) When immersed before curing time for immersion service, it can make coating problems (chalking, discoloration, blistering, etc.)
Caution for handling	<ol style="list-style-type: none">1) Store it indoor (5~35°C) condition, avoiding heat and open flame. And, keep it standing and being closed.2) Dispose of the waste paint through the waste disposal company designated by the Ministry of Environment.3) Since this product is a chemical product, it may deteriorate during long-term storage. Please refer to our customer center for the products that have passed this period.
Warning	Please refer to the warning in the appendix.
Application system	Concrete: WATERGUARD 600 200 μ m (3~4coats)

Physical Data

Finish	Flat	Color	Blue and Grey
Applied over	Concrete, Cement mortar	Components	2
Volume Solid	Approximately 55%	Recommended Film Thickness	200 μ m
Coats	3~4	Mixing Ratio A : B	3:1(vol)
Recommended Coverage	2.75 m ² /L (@ D.F.T. 200 μ m) * Allow for application losses and surface irregularities.	Pot life(20°C)	3hrs

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Dry times(20°C)	Dry through : 24hrs	Recoatable(20°C)	To topcoat(min/max) : 24hrs ~ 7days
Diluent	Water	Curing time for Immersion service	7days (at 20°C)
Packing Unit	18L[13.5L/4.5L]	Shelf Life	12months (When stored indoors at 5~35°C)

The information given in this document is based on laboratory tests and on-site application results, but may vary depending on quality improvement and work conditions.

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