

WATERBASED URETHANE TOPCOAT



2K Waterbased Polyurethane Coating

WATERBASED URETHANE TOPCOAT is two component waterbased polyurethane topcoat. It provides hard film highly resistant to abrasion. It can be used as a topcoat on concrete and mortar for the gloss finish.

Usage	Concrete, mortar surface
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Specification

Paint type	Waterbased polyurethane / Top coat(2 component)			
Drying time	Category	5°C	20°C	30°C
	Set-to-touch	4 hours	2 hours	1 hour
	Dry-hard	36 hours	24 hours	18 hours
	Over-coat(Min.)	36 hours	24 hours	24 hours
	Over-coat(Max.)	1 month	15 days	7 days
	Pot life	7 hours	5 hours	3 hours
Thinner	Water	Dilution ratio	Max. 20%	
Specific gravity	Approx. 1.06			
Theoretical Coverage	10m ² /ℓ (one coat: 30μm)	Solid volume ratio	Approx. 32±2%	
Colour	Transparent	Thickness of dried film	30μm	
Mixing ratio	Base/Hardener= 5:1(vol) 4.5:1 (weight)	Flash point	At least 70°C	
VOC	124g/L Meets Green Star Rating	Shelf life	12 months (well-ventilated dry, cold and dark place)	

How to Use

Surface treatment	<ol style="list-style-type: none"> 1. Completely remove oil, moisture, sand, dust and foreign substances from the surface to be coated. 2. Dry the surface thoroughly before coating. 3. The compressive strength of the concrete must be at least 25 MPa (3625 lbs/in²) after 28 days and the tensile strength must be at least 1.5 MPa (218 lbs/in²).
Coating Method	<ol style="list-style-type: none"> 1. Coating can be done by either brush, roller or air spray. - Cleanse the coating equipment immediately after use and then store it.
Preceding Coating	<ol style="list-style-type: none"> 1. Concrete & mortar - Waterbased epoxy primer
Remarks	<ol style="list-style-type: none"> 1. WATERBASED URETHANE TOPCOAT will have fully cured after 7 days at 20°C. 2. 2 part paints must be mixed by a proper mixing ratio. Please mix thoroughly for 4-5 minutes using a power disperser. 3. During mixing, scrape the wall and bottom of the container at least once with a trowel to obtain a homogeneous mixture. 4. The relative humidity of the work environment during the application and curing must not exceed 85%. 5. Moisture content of the substrate must be below 6% when coating.

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