

URETAHNE WATERPROOF MASTER 100

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Urethane Waterproof Master 100, mainly composed of urethane resin, has excellent adhesion making it the perfect primer for concrete facilities.

Usage

Primer for concrete

Application Procedure

Procedure	<ol style="list-style-type: none">1. Surface Preparation<ol style="list-style-type: none">1) The surface to be coated must be cured sufficiently.2) Prepare the surface free from any loose cement, dust, Oil, moisture and other contaminants.3) In case of high strength concrete (260kgf / m^2 or more), it may cause bad adhesion, so it is necessary to perform surface treatment by blasting method and check adhesion performance.2. Environmental conditions<ul style="list-style-type: none">Air temperature : 5~35°CRelative humidity : up to 80%Dew Point : over 3°CMoisture content of surface : up to 6%3. Application Equipment<ul style="list-style-type: none">Roller, Brush
Caution for usage	<ol style="list-style-type: none">1) Avoid applying paint on rainy days, high humidity (over 80%), low temperature (below 5 °C), and high temperature (over 40 °C surface temperature). (Coating film crack, adhesion failure, bubble generation may occur)2) Allow the surface to dry thoroughly. (Relative humidity 80% or less at 25 °C, curing for more than 28 days)3) Completely remove Laitance, dust, oil and other contaminants on the surface of the substrate (sand blasting, DIAMOND WHEEL GRINDING or 10% HCL pickling)4) In case of high strength concrete (260 kgf / m^2 or more), it may cause defective adhesion during grinding process. Therefore, perform surface treatment by blasting method and check the adhesion performance.5) Suitable pH value of substrate surface is 7 ~ 9 (Parallel water content less than 6%).6) Use masking tape to prevent contamination outside the coating area.7) Do not use the product by heating or mixing with other paint.8) Please keep the recommended coating interval for repainting time.9) Consider that the actual requirements may vary depending on the substrate condition, coating method and coating conditions.10) When repairing the old coating film, please do a test coating before painting if there is no abnormality such as adhesion.11) Please use recommended thinner as diluent. Avoid excessive dilution as it affects flow phenomenon, workability, general properties.12) Should be used within pot life.13) Do not use a paint that exceeds the pot life because its spreadability is poor and the appearance of the coating film becomes poor.14) For the part that has passed for 2 days or more after coating, please apply additional thinner coating to reinforce the interlayer adhesion to the center.15) Please use this product within the validity period because it may be deteriorated since this product is a chemical product.

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Caution for handling	<ol style="list-style-type: none"> 1) Do not use any other purpose. 2) Keep out of reach of infants and children. Do not apply to infants, children's equipment or food storage containers. 3) Since this product is a flammable material, avoid access to direct sunlight and fire when transporting, storing and handling, and store in a dry, cold place at room temperature (5 ~ 35 °C). 4) Please keep this product container sealed so that the injection port faces upward. 5) Avoid skin contact and odor inhalation by wearing protective equipment such as respirator mask, protective gloves, goggles, etc. during work. 6) Be careful that the paint does not come into contact with eyes, skin, 7) If paint comes in contact with eyes and skin, wash thoroughly with running water and seek medical attention. 8) If inhaled or ingested, seek medical advice immediately and follow the medical advice given in the container. 9) Avoid work in a confined space, and if you unintentionally paint, ventilate it thoroughly with exhaust system before working. 10) The remaining amount of paint after use may cause dry film or stagnation. Please use the full amount immediately after opening. 11) When storing the cloth with flammable materials, there is a risk of spontaneous ignition, so be sure to dispose of it in a nonflammable container. 12) Dispose of the waste paint through the waste disposal company designated by the Ministry of Environment. 13) For other inquiries, please contact our Customer Service Center or refer to the Material Safety Data Sheet (GHS-MSDS), Technical Data, and Coating Specifications published on the website.
Warning	Please consult our enclosed here with warning notice.
Application Systems	Primer : Urethane Waterproof Master 100 Intermediate : Urethane Waterproof Master 200 etc Top coat : Urethane Waterproof Master 355

Physical data

Finish	Glossy	Colors	Clear
Applied over	Mortar, concrete	Components	1
Volume Solid	33±3%	Recommended Film thickness	50µm
Coats	1~2	Recommended Coverage	7.2m ² /L (@ D.F.T. 50µm) Allow for application losses and surface irregularities.
Diluent Ratio	Within 10%(Paint volume ratio)		
Diluent	Urethane1000 Thinner, T-1021	Shelf Life	6months(When stored indoors at 5~35°C)
Packing Unit	14L		

	10°C	20°C	30°C
Set to touch(min)	30	20	10
Dry-through(hour)	12	6	4
Full hardness(day)	3	2	2
Dry for recoating(hour)	16~48	8~48	6~48

※ Presented the technical data are changeable according to quality improvements or working conditions because they were acquired from the results of the laboratory tests and the scene of application