

# ONESHOT-TAN

This specification applies to the urethane-exposed waterproofing construction shown in the drawing. It is a paint mainly composed of polyurethane resin. Samhwa paint or equivalent products should be submitted in advance and approved by the supervisor.

## 1. Special Feature

Oneshot-tan is a one-pack type paint which is made of urethane resin which is dried by reacting with moisture in the air to form a coating film with excellent elasticity. It is excellent in waterproof effect and adhesion, and is not affected by cracks or shrinkage expansion of the base. It is a urethane elastic waterproof material that is easy to work without limitation.

## 2. Usage

Rooftop and exterior waterproofing of various buildings

## 3. Application

<b>Surface Preparation</b>	<p>1. Surface preparation</p> <ul style="list-style-type: none"> <li>- The surface to be coated should be sufficiently dry. (Relative humidity 80% or less at 25 °C, sufficient curing for 28 days or more)</li> <li>- All surfaces must be free of rust, dust, grease, oil, moisture or other contaminants.</li> <li>- Minimum concrete strength need more than 160 kgf/cm<sup>2</sup>. In case of high strength concrete (260 kgf / cm<sup>2</sup> or more), it is necessary to perform surface treatment by blasting method because bad adhesion may occur during the treatment of grinding.</li> </ul> <p>2. Environmental conditions</p> <ul style="list-style-type: none"> <li>- Air temperature: 10 to 35°C range.</li> <li>- Relative humidity: up to 80%.</li> </ul> <p>*note: To prevent moisture condensation during application, surface temperature must be at least 3°C above the dew point. In confined spaces, ventilation is required during application and drying.</p> <p>3. Application Equipment</p> <ul style="list-style-type: none"> <li>- Roller, Brush</li> </ul>																																								
<b>Application System</b>	<p>Primer : GREEN WATERPROOF RAPID-CURING PRIMER Under Coat : ONESHOT-TAN</p>																																								
<b>Coverage</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Coating order</th> <th style="width: 30%;">Product name</th> <th style="width: 10%;">Standard number</th> <th style="width: 10%;">Coating times</th> <th style="width: 10%;">Dry film thickness</th> <th style="width: 10%;">Theoretical consumption</th> <th style="width: 10%;">Actual consumption</th> <th style="width: 10%;">Remark</th> </tr> </thead> <tbody> <tr> <td>Primer</td> <td>GREEN WATERPROOF RAPID-CURING PRIMER</td> <td></td> <td>1</td> <td>50μm</td> <td>0.138L/m<sup>2</sup></td> <td></td> <td></td> </tr> <tr> <td>Under Coat 1</td> <td>ONESHOT-TAN</td> <td></td> <td>1~2</td> <td>1,000μm</td> <td>1.6 kg/m<sup>2</sup></td> <td></td> <td></td> </tr> <tr> <td>Top Coat</td> <td>GREEN WATERPROOF MASTER TOP COATING</td> <td></td> <td>1</td> <td>45μm</td> <td>0.088L/m<sup>2</sup></td> <td></td> <td></td> </tr> <tr> <td><b>TOTAL</b></td> <td></td> <td></td> <td>3~4</td> <td>1,095</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>* Practical Coverage can be increased or decreased followed by working condition, work method, and so on. * VAT not included * Separation of construction cost</p>	Coating order	Product name	Standard number	Coating times	Dry film thickness	Theoretical consumption	Actual consumption	Remark	Primer	GREEN WATERPROOF RAPID-CURING PRIMER		1	50μm	0.138L/m <sup>2</sup>			Under Coat 1	ONESHOT-TAN		1~2	1,000μm	1.6 kg/m <sup>2</sup>			Top Coat	GREEN WATERPROOF MASTER TOP COATING		1	45μm	0.088L/m <sup>2</sup>			<b>TOTAL</b>			3~4	1,095			
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<b>Application Procedure</b>	<p>1. Primer</p> <ul style="list-style-type: none"> <li>- After finishing the treatment, apply Green Waterproof Master Primer 50μm once with roller or brush.</li> <li>- It is used without dilution and it is applied so that it penetrates sufficiently on the surface.</li> <li>- If the undercoat is thick on the surface of the substrate, the contact area between the substrate and the center will be reduced and the adhesion will be poor.</li> <li>- The untreated parts should be applied without leaving them because of the possibility of air bubbles in the middle coating.</li> <li>- For the part where more than 2 days have elapsed since the painting, add a thin coating to the layer to reinforce the interlayer adhesion.</li> <li>- Use the material within pot life.</li> </ul> <p>2) Intermediate</p> <ul style="list-style-type: none"> <li>- Remove all contaminants on the undercoat within 6 hours to 48 hours after the undercoating and accurately calculate the amount of film thickness 1mm and the amount required for the coating area.</li> <li>- Mix thoroughly evenly with a stirrer and apply once or twice with a roller or brush.</li> <li>- Coat the overlapping area about 15cm.</li> <li>- In principle, you can't use Urethane 1000 Thinner to improve workability at low temperatures. Also, excessive dilution may lead to poor drying, lower hardness and cracking of coating film.</li> <li>- In case of thick coating more than 2mm at one time, internal drying delay and wrinkle of the coating may occur.</li> </ul> <p>3. Top Coat</p> <ul style="list-style-type: none"> <li>- After 1~3days later from application of 2nd coat(Oneshot-tan), apply the Green Waterproof Master Top Coating(A : B = 6.3 : 1, by vol) with roller, brush, or Air Spary.</li> <li>- If thinning is necessary for workability, thin with up to 5%(by volume) use Urethane 1000 Thinner.</li> </ul>																																								

	Clean all equipment(Spray) with Urethane 1000 Thinner immediately after use.
<b>Caution</b>	<ol style="list-style-type: none"><li>1. Avoid contact with eyes and repeated contact with skin.</li><li>2. Keep away from heat and open flame.</li><li>3. Keep adequate ventilation during application.</li><li>4. Avoid breathing of vapors or spray mist.</li><li>5. After the painting work, please wash exposed skin thoroughly.</li><li>6. Keep the container closed when not in use.</li><li>7. Store in the area beyond children's reach.</li><li>8. Do not mix this product with other paints.</li><li>9. Avoid applying paint on rainy days, high humidity (over 80%), low temperature (below 5 °C) and high temperature (over 40 °C surface temperature).</li><li>10. Store the product in a dry, cool place at room temperature (5 ~ 35 °C) away from fire and direct sunlight. Keep container tightly closed with the injection port facing up.</li><li>11. Alcohol-Containing thinner(Epoxy thinner) never use. When use it, Paints doesn't dry.</li><li>12. Since this product is a chemical product, it may deteriorate during long-term storage. Please use it within the validity period. Please use the product after confirming it with the consumer counseling room.</li></ol>