

KSF3211 CLASS 2(UNEXPOSED WATERPROOFING)

This specification applies to the urethane-unexposed waterproofing work shown in the drawing, and it is a two-component paint mainly composed of polyurethane resin. Samhwa paints or similar products should be submitted in advance and approved by the supervisor.

1. Special Feature

KSF3211 CLASS2(Unexposed Waterproofing), mainly composed of an elastic urethane resin, is an unexposed 2 components non-tar urethane waterproof coating that has superior elasticity and excellent endurance to contraction and inflation caused by temperature variation and earthquakes. It is a preventive coating with superior adhesion, elasticity, durability, and water and cold weather resistances.

2. Usage

Used for roofs and other parts of civil engineering, building, non-flood waterproofing, general building, sewage terminal treatment plant, purification tank, bathroom, toilet, rooftop garden from water.

3. Application

Surface Preparation	<p>1. Surface Preparation</p> <p>1) The surface to be coated should be sufficiently dry. (Relative humidity 80% or less at 25 °C, curing for more than 28 days)</p> <p>2) It is necessary to completely remove LAITANCE, dust, oil and other contaminants on the substrate surface.(Sandblasting, DIAMOND WHEEL GRINDING or 10% HCl pickling)</p> <p>3) The suitable pH value is 7 ~ 9. (Parallel moisture content 8% or less)</p> <p>4) Cover the gap or grooves with epoxy putty. After the V-CUTTING, put the polyethylene BACK UP material into the urethane sealant and coat it after adjusting the surface.</p> <p>5) V-Cutting should be done on the edge of the area that is in contact with the wall surface.</p> <p>2. Environmental conditions</p> <p>Air temperature : 5~35 °C Surface temperature : up to 40 °C Relative humidity : up to 85% Dew Point : over 3 °C</p> <p>3. Application Equipment</p> <p>Trowel, Rake</p>																																
Application System	<p>Primer : GREEN WATERPROOF MASTER PRIMER; 50µm Top Coat : KSF3211 CLASS 2(UNEXPOSED WATERPROOFING); 3,000µm</p>																																
Coverage	<table border="1"> <thead> <tr> <th>Coating order</th> <th>Product name</th> <th>Standard number</th> <th>Coating times</th> <th>Dry film thickness</th> <th>Theoretical consumption</th> <th>Actual consumption</th> <th>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>0.138 L/m²</td> <td></td> <td></td> </tr> <tr> <td>Top Coat</td> <td>KSF3211 CLASS 2(UNEXPOSED WATERPROOFING)</td> <td></td> <td>1~2</td> <td>3,000µm</td> <td>4.970 kg/m²</td> <td></td> <td></td> </tr> <tr> <td>TOTAL</td> <td></td> <td></td> <td>2~3</td> <td>3,050µm</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	0.138 L/m ²			Top Coat	KSF3211 CLASS 2(UNEXPOSED WATERPROOFING)		1~2	3,000µm	4.970 kg/m ²			TOTAL			2~3	3,050µm			
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Application Procedure	<p>1. Primer</p> <ul style="list-style-type: none"> - After surface preparation, apply Green Waterproof Master Primer on the surface with roller and brush until that is sufficiently absorbed.(approximately 50µm) - Use the material within pot life. - It should be applied uniformly so that it does not become partly after coating. - In the case of a part where the paint surface is absorbed at the time of one time coating (where it is reduced to the initial background color), primer should be additionally coated. - Clean all equipment with Urethane 1000 Thinner immediately after use. <p>2. Top coat</p> <ul style="list-style-type: none"> - Mix the main part and the curing agent at a ratio of 5 : 1 (weight ratio) and stir sufficiently. - Mix part A and part B of KSF3211 CLASS2(Unexposed Waterproofing) with a motorized stirrer, pour the paint on the bottom, and apply with a rake or a spatula until the total thickness of the coating is 3 mm. - Paint with excessive working time should not be used because the spreadability is poor and the appearance of the coating film becomes poor. - 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. - When applying KSF3211 CLASS2(Unexposed Waterproofing) when it does not be defoamed, urethane type thinner is sprayed to remove air bubbles. 																																

Caution	<ol style="list-style-type: none">1. Avoid contact with eyes and repeated contact with skin.2. Keep away from heat and open flame.3. Keep adequate ventilation during application.4. Avoid breathing of vapors or spray mist.5. After the painting work, please wash exposed skin thoroughly.6. Keep the container closed when not in use.7. Store in the area beyond children's reach.8. Do not mix this product with other paints.9. Avoid applying paint on rainy days, high humidity (over 80%), low temperature (below 5 °C) and high temperature (over 40 °C surface temperature).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.11. Alcohol-Containing thinner(Epoxy thinner) never use. When use it, Paints doesn't dry.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.