

EPOCOAT AQUA LINING

This specification is applied to epoxy floor finishes as shown in the drawing. It is a two-pack type paint based on epoxy resin which is excellent in abrasion resistance and impact resistance. Samhwa Paint or equivalent products should be submitted with the approval of the supervisor.

1. Special Feature

EPOCOAT AQUA LINING is water-borne epoxy coating that has excellent chemical and abrasion resistance, impact resistance and adhesion. It has outstanding self-leveling and appearance.

2. Usage

Interior floor coverings for parking lots, offices, restaurants, hospitals, factories, laboratories, etc.

3. Application

Surface Preparation	<p>1. Surface Preparation</p> <ul style="list-style-type: none"> - Prepare the surface free from any loose cement, dust, oil, moisture and other contaminants. - The surface to be coated should be sufficiently dry. (Relative humidity 80% or less at 25 °C, sufficient curing for 28 days or more) - It is necessary to completely remove LAITANCE, dust, oil and other contaminants on the substrate surface. (Such as sand blasting, Diamond Wheel Grinding or 10% HCL pickling) - A suitable pH value is 7 to 9. (Surface moisture content: 6% or less) - Extension joints and cracks are filled with polyethylene (PE) BACK-UP material after V-cutting, and gaps(joint) and grooves have to applied with Super Epoxy Putty. - Minimum concrete strength need more than 160 kgf/cm². In case of high strength concrete (260 kgf/cm² or more), it is necessary to perform surface treatment by blasting method because bad adhesion may occur during the treatment of grinding. - V-cutting the edges of the wall and floor. - Pre-coating (scrapping) is performed with a thickness of about 0.5 mm in order to minimize bubbles caused by pores of concrete. <p>2. Environmental conditions</p> <ul style="list-style-type: none"> - Air temperature : 10~35 °C - Relative humidity : up to 80% - Surface moisture content : under 6% - The surface temperature must be at least 3°C above the dew point to prevent moisture condensation <p>3. Application Equipment</p> <ul style="list-style-type: none"> - Rake, Trowel 																																															
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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>EPOCOAT AQUA PRIMER</td> <td></td> <td>1</td> <td>50µm</td> <td>0.167 L/m²</td> <td>0.186 L/m²</td> <td>LOSS율 10%</td> </tr> <tr> <td>Under Coat 1</td> <td>EPOCOAT AQUA LINING</td> <td></td> <td>1~2</td> <td>2,000µm</td> <td>3.08kg/m²</td> <td>3.23kg/m²</td> <td>LOSS율 5%</td> </tr> <tr> <td>Top Coat</td> <td>EPOCOAT AQUA TOP</td> <td></td> <td>1~2</td> <td>50~100µm</td> <td>0.111 L/m²(50µm)</td> <td>0.122 L/m²(50µm)</td> <td>LOSS율 10%</td> </tr> <tr> <td>TOTAL</td> <td></td> <td></td> <td>2~3</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Coating order	Product name	Standard number	Coating times	Dry film thickness	Theoretical consumption	Actual consumption	Remark	Primer	EPOCOAT AQUA PRIMER		1	50µm	0.167 L/m ²	0.186 L/m ²	LOSS율 10%	Under Coat 1	EPOCOAT AQUA LINING		1~2	2,000µm	3.08kg/m ²	3.23kg/m ²	LOSS율 5%	Top Coat	EPOCOAT AQUA TOP		1~2	50~100µm	0.111 L/m ² (50µm)	0.122 L/m ² (50µm)	LOSS율 10%	TOTAL			2~3				
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Application Procedure	<p>1) Primer</p> <ul style="list-style-type: none"> - After surface preparation, mix A with B of Epocoat Aqua Primer, apply the paint on the surface with roller and brush until that is sufficiently absorbed.(approximately 50µm) - Use the material within pot life. (20°C, 6hrs) - 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. <p>2) Top Coat</p> <ul style="list-style-type: none"> - After a minimum of 12 hours at 20°C after primer, precisely calculate the required area for the coating area and film thickness of 3 mm and mix the Epocoat Aqua Lining base and curing agent in a weight ratio of 1.5: 1. - After mixing Epocoat Aqua Lining and hardener with electric stirrer, pour and apply the paint on the floor and adjust the tip of rake so that the film thickness is 3mm by using rake or trowel. - Prec-oating(scrapping) is performed with a thickness of about 0.5mm in order to minimize bubbles caused by pores of concrete. - When coating film thickness is less than 1 mm, trowel is recommended rather than rake because it is less smooth and bubble free than 2 ~ 3 mm thickness. When the film thickness is low, cratering may occur due to the influence of dust or the like in the contamination or uncured state of the substrate. - Epocoat Aqua Lining is used without dilution, and when diluted, defects such as hardening delay, strength deterioration, color 																																															

	<p>separation and crack, amine brushing, and wrinkle may occur.</p> <ul style="list-style-type: none">- If exposed to water (moisture) or alcohol, it may cause discoloration / discoloration. Particularly, at low temperature, amine brushing and whitening may be accompanied.- After application Epocoat Aqua Lining, when bubbles exist, spray by using thinner 002 or ethanol on the surface.- After pot life of Epocoat Aqua Lining should not be used because the spreadability and the appearance of the coating film become poor.
Caution	<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).2) 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 upward.3) Do not mix this product with other paints.4) After the painting work, please wash exposed skin thoroughly.5) Dispose of the waste paint through the waste disposal company designated by the Ministry of Environment.6) 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.