

BIROAD AIR-DRYING TYPE TRAFFIC PAINT

This specification is applied to Traffic Paint as shown in the drawing. It is a acryl type paint 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

BIROAD Air Drying Type Traffic Paint, based mainly on acrylic resin, is good adhesion to asphalt or concrete road. This paint has good weathering, water and alkali resistance.

2. Usage

Used to mark line on the asphalt and concrete road.

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. <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"> - Roller, Brush, Airless spray 							
Application System	Top Coat : BIROAD AIR-DRYING TYPE TRAFFIC PAINT							
Coverage	Coating order	Product name	Standard number	Coating times	Dry film thickness	Theoretical consumption	Actual consumption	Remark
	Top Coat	BIROAD AIR-DRYING TYPE TRAFFIC PAINT		2	100	0.193 L/m ²	0.276 L/m ²	
	Thinner	TRAFFIC PAINT TINNER				0.01 L/m ²	0.014 L/m ²	
	TOTAL			2	100			
Application Procedure	<p>1) After surface preparation, apply the paint on the surface with roller, brush and airless spray(approximately 100µm,)</p> <p>2) Recoating time is 1hour(25°C)</p> <p>3) When using thinner, use it within 5%.</p>							
Caution	<p>1) Avoid applying paint on rainy days, high humidity (over 80%), low temperature (below 5 °C) and high temperature (over 40 °C surface temperature).</p> <p>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.</p> <p>3) Do not mix this product with other paints.</p> <p>4) Keep away from heat and open flame.</p> <p>5) Keep adequate ventilation during application.</p> <p>6) Dispose of the waste paint through the waste disposal company designated by the Ministry of Environment.</p> <p>7) 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.</p>							