

바이로드상온건조형노면표지용

## BIROAD AIR-DRYING TYPE TRAFFIC PAINT



※ Caution ※

This product cannot be used indoors in multi-use facilities and apartment houses with more than 100 households according to the Indoor Air Quality Control Act.

**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.**

### Usage

Used to mark line on the asphalt and concrete road

### Application Procedure

<b>Procedure</b>	<ol style="list-style-type: none"><li>1. Surface Preparation Prepare the surface free from any loose cement, dust, oil, moisture and other contaminants.</li><li>2. Environmental conditions Air temperature : 5~35 C Surface temperature : below 40 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</li><li>3. Application Equipment Roller, Brush, Airless spray</li></ol>
<b>Caution for Usage</b>	<ol style="list-style-type: none"><li>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, bubbles may occur)</li><li>2) Allow the surface to dry thoroughly(Relative humidity 80% or less at 25 °C, curing for more than 28 days)</li><li>3) Completely remove Laitance, dust, oil and other contaminants on the surface of the substrate (sand blasting, DIAMOND WHEEL GRINDING or 10% HCL pickling)</li><li>4) In case of high strength concrete (260 kgf/cm<sup>2</sup> or more), it may cause defective adhesion during grinding process. Therefore, perform surface treatment by blasting method and check the adhesion performance.</li><li>5) Suitable pH value of substrate surface is 7 ~ 9 (Parallel water content less than 6%).</li><li>6) Use masking tape to prevent contamination outside the coating area.</li><li>7) Please keep the recommended coating interval for repainting time.</li><li>8) If it is coated with an overcoat, the solvent inside the coating film may not volatilize, resulting in deterioration of the physical properties of the coating film or scratches.</li><li>9) Apply "Acrylfloorcoat" to the rough concrete surface to prevent porosity on the coated surface.</li><li>10) Do not paint on roads with severe cracks.</li><li>11) Do not use it for flooring of indoor.</li><li>12) Do not use the product by heating or mixing with other paint.</li><li>13) Please use recommended thinner.</li><li>14) Never paint in an enclosed space.</li><li>15) If ventilation is insufficient, risk of suffocation and fire may occur.</li><li>16) Since this product is a chemical product, it may deteriorate during long-term storage. Please refer to our customer center for the products that have passed this period.</li></ol>
<b>Caution for handling</b>	<ol style="list-style-type: none"><li>1) Do not use any other purpose.</li><li>2) Keep out of reach of infants and children. Do not apply to infants, children's equipment or food storage containers.</li><li>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).</li></ol>

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	<p>4) Please keep this product container sealed so that the injection port faces upward.</p> <p>5) Avoid skin contact and odor inhalation by wearing protective equipment such as respirator mask, protective gloves, goggles, etc. during work.</p> <p>6) Be careful that the paint does not come into contact with eyes, skin,</p> <p>7) If paint comes in contact with eyes and skin, wash thoroughly with running water and seek medical attention.</p> <p>8) If inhaled or ingested, seek medical advice immediately and follow the medical advice given in the container.</p> <p>9) Avoid work in a confined space, and if you unintentionally paint, ventilate it thoroughly with exhaust system before working.</p> <p>10) The remaining amount of paint after use may cause dry film or stagnation. Please use the full amount immediately after opening.</p> <p>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.</p> <p>12) Dispose of the waste paint through the waste disposal company designated by the Ministry of Environment.</p> <p>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.</p>
<b>Warning</b>	Please refer to the warning in the appendix.
<b>Application system</b>	
<b>Regulations</b>	<p>BIROAD AIR-DRYING TYPE TRAFFIC PAINT is a product that satisfies the VOC regulations stipulated within the use classification provided by the Clean Air Conservation Act.</p> <p>For more information, please refer to the Clean Air Conservation Act.</p>

## Physical Data

<b>Finish</b>	Matt	<b>Color</b>	Wide range
<b>Surface</b>	Asphalt, Concrete	<b>Components</b>	1
<b>Volume solids</b>	Approximately 52%	<b>Recommended dry film thickness</b>	100 $\mu$ m
<b>Coats</b>	1~2	<b>Mix ratio (Weight/Volume)</b>	-
<b>Theoretical coverage</b>	Approximately 5.2m <sup>2</sup> /L(DFT 100 $\mu$ m) Depends on the concrete surface.	<b>Pot life (25°C)</b>	-
<b>Drying Time(25°C)</b>	Non stick drying : 20 mins Dry through : 30 mins	<b>Dry time for recoating(25°C)</b>	After 1 hour
<b>Dilution ratio</b>	Max 5% (vol)	<b>Diluent</b>	Traffic paint thinner
<b>Shelf Life</b>	6months (When stored indoors at 5~35 °C)	<b>Packing Unit</b>	18L, 4L

※ The information given in this document is based on laboratory tests and on-site application results, but may vary depending on quality improvement and work conditions.