

우레코트 반경질

# URECOAT SEMI-HARD



SAMHWA

삼화페인트

※This product can be used indoors in multi-use facilities according to the Indoor Air Quality Control Act and in apartments of 100 (above) to 500 (less than) households.

**Urecoat Semi-Hard, mainly composed of aliphatic Urethane resin, is elastic floor & waterproof coating that provides non-slip quality that is suitable for floor decorating as well as coating for architectural surfaces. It is a soft touch, anti-abrasion coating with superior adhesion for a beautiful finish.**

## Usage

Indoor and outdoor floor for walking  
playground, stadium, etc

## 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<ol style="list-style-type: none"><li>1) Air temperature: 5~35°C</li><li>2) Surface temperature: up to 40°C</li><li>3) Relative humidity: up to 80%</li><li>4) The surface temperature must be at least 3°C above the dew point to prevent moisture condensation.</li></ol></li><li>3. Spray equipment Rake, Trowel</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, bubble generation 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 / <math>\text{m}^2</math> 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) After filling the gap, grooves, cracks, etc. with epoxy putty after V-CUTTING, polish and apply after surface treatment.</li><li>7) V-CUTTING the edges of the contact area with the wall.</li><li>8) Use masking tape to prevent contamination outside the coating area.</li><li>9) Do not use the product by heating or mixing with other paint.</li><li>10) Please keep the recommended coating interval for repainting time.</li><li>11) Consider that the actual requirements may vary depending on the substrate condition, coating method and coating conditions.</li><li>12) In particular, thinner containing alcohol (epoxy thinner, lacquer thinner) is not dried and never use.</li><li>13) Please use recommended thinner as diluent. Avoid excessive dilution as it affects flow phenomenon, workability, general properties.</li><li>14) If you do not paint primer, air bubbles may occur.</li><li>15) The curing agent reacts with the moisture in the atmosphere and hardens. Keep the curing agent left in the cool and dark place immediately after use.</li><li>16) Mixed paints should be used within pot life.</li><li>17) Do not use a paint that exceeds the pot life because its spreadability is poor and the appearance of the coating film becomes poor.</li></ol>

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	18) Please use this product within the validity period because it may be deteriorated since this product is a chemical product.
<b>Caution for handling</b>	<p>1) Do not use any other purpose.</p> <p>2) Keep out of reach of infants and children. Do not apply to infants, children's equipment or food storage containers.</p> <p>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).</p> <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>	<p>Primer : URECOAT PRIMER</p> <p>Under Coat : Urecoat Semi-Hard</p> <p>Top Coat : Urecoat Top</p>
<b>Regulations</b>	Urecoat semi-hard is a product that satisfies the VOC regulations stipulated within the use classification provided by the Clean Air Conservation Act. For more information, please refer to the Clean Air Conservation Act.

## Physical Data

<b>Finish</b>	Semi gross	<b>Color</b>	Each color
<b>Surface</b>	Concrete, Cement mortar	<b>Components</b>	2
<b>Volume solids</b>	91.5±3%	<b>Recommended dry film thickness</b>	3mm
<b>Coats</b>	1~2	<b>Mix ratio (Weight)</b>	A part : B part = 3 : 1
<b>Theoretical coverage</b>	4.61kg/m <sup>2</sup> (D.F.T : 3mm) * Consider Loss and surface condition.	<b>Tensile Strength(N/mm<sup>2</sup>)</b>	over 2.5
<b>Elongation(%)</b>	over 450	<b>Hardness(shore A)</b>	60±10
<b>Shelf Life</b>	6 months (When stored indoors at 5~35°C)	<b>Packing Unit</b>	22kg

구분	10°C	20°C	30°C
<b>Cured time(hour)</b>	48	24	18
<b>Dry time(day)</b>	8	5	3

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Pot life(min)	40	30	20
Dry for recoating(day)	2~3	1~3	1~2

※ 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. 2024/04/02