

EPOCOAT 1100 CLEAR

# EPOCOAT 1100 CLEAR



**EPOCOAT 1100 Clear is a solvent-free epoxy coating that has good transparency, excellent chemical and abrasion resistance, impact resistance and adhesion. It has outstanding self-leveling and appearance.**

## Usage

Flooring for indoor dustproof flooring in factories, computer rooms, hospitals, truth rooms, offices, cafes, exhibition rooms.

## 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 : 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</li><li>3. Application Equipment Trowel, rake</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 / m<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) V-CUTTING the edges of the contact area with the wall.</li><li>7) Use masking tape to prevent contamination outside the coating area.</li><li>8) Please apply less than 2mm thickness when applying 1 time. * When painting more than 2mm, bubbles may remain in the coating, and when the paint is applied, wrinkles may occur.</li><li>9) If the ground color is the same as black color, fine bubbles may be seen.</li><li>10) In case of applying heat under boiler heat, yellowing phenomenon is promoted, which may cause discoloration. Also, the strength of paint film is weakened and durability may be deteriorated.</li><li>11) Do not use the product by heating or mixing with other paints.</li><li>12) Please keep the recommended coating interval for repainting time.</li><li>13) Consider that the actual requirements may vary depending on the substrate condition, coating method and coating conditions.</li><li>14) When repainting on the previous coat or old coat, do a test coat in advance and apply if there is no abnormality (such as adhesion).</li><li>15) Please apply without any treatment because there is a possibility of air bubbles during coating.</li><li>16) After mixing the base and curing agent, use a stirrer within 1 to 2 minutes with a stirrer to make it uniform (use 1000RPM, 500W or more for the electric stirrer)</li><li>17) It is recommended to remove the air bubbles by spraying thinner with air spray after coating or spraying with insecticide (oil) that is distributed on the market because the bubble force is significantly lowered at low temperature.</li><li>18) Exposure to water (moisture), alcohol, etc. may cause discoloration / discoloration. Particularly, at low temperature, amine brushing and whitening may be accompanied.</li><li>19) It may cause whitening and yellowing when applied to the outside.</li><li>20) It will cause yellowing when the skylight is present.</li><li>21) It may be used without dilution. When diluting, it may cause defects such as hardening delay, strength deterioration, color separation, CRACK, amine brushing and wrinkle. (5% Please use inside and outside dilution.)</li><li>22) Care should be taken when the surface gradient is excessive or when excessive dilution is used, fine wrinkles may appear on the surface of the coating.</li><li>23) Please mix part B in part A and use it as soon as possible.</li><li>24) Be aware that certain beverages may be discolored.</li><li>25) After aging time, after gelation, gel phenomenon (stagnation) occurs and it cannot be used.</li><li>26) Store the product in a dry, cool place at room temperature (5 ~ 35 °C) away from fire and direct sunlight. Keep containers tightly closed with the injection port facing upward. Please note that the pot life is very short during summer and the viscosity, viscosity and smoothness are lowered due to increase of viscosity in winter.</li><li>27) Please use after confirming the adhesion with the old film at the time of maintenance painting.</li></ol>

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	<p>28) Even if the same product, color and lot are applied, it may cause different color depending on the dilution ratio, coating equipment and coating method. Therefore, it should be painted by the same lot product, same painting equipment and method, Check the color and work if there is no abnormality.</p> <p>29) After work, clean all painting tools with the specified cleaning agent.</p> <p>30) 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.</p>
<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>1. Primer : Epocoat Primer, Epocoat Aqua primer</p> <p>2. Top coat : Epocoat 1000, New Epocoat 210Plus, Cerafloor transparency. Etc.</p>

## Physical Data

<b>Finish</b>	Gloss	<b>Color</b>	Clear
<b>Applied over</b>	Concrete, Cement	<b>Components</b>	2
<b>Volume Solid</b>	Approximately 97±3%	<b>Recommended Film Thickness</b>	1~2mm
<b>Coats</b>	1	<b>Mixing Ratio A : B</b>	3 : 1(Vol)
<b>Recommended Coverage</b>	1.5L/m <sup>2</sup> , 1.63kg/m <sup>2</sup> (When D.F.T is 1.5mm)	<b>Pot Life(25°C)</b>	20mins
<b>Dry Time(25°C)</b>	Dry hard ; 2day	<b>Diluent</b>	Don't use
<b>Cleaner</b>	Epocoat 1000 Thinner, Thinner 395	<b>Shelf Life</b>	12 months (When stored indoors at 5~35°C)
<b>Packing Unit [A : B]</b>	16L [12L/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.

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