

CERAFLOOR CLEAR

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CERAFLOOR CLEAR is an organic and inorganic complex floor coating that has excellent abrasion resistance, scratch resistance and chemical resistance such as water, acid, alkali etc. It has a light smell-solvent type coating that is easy to indoor system.

## Usage

Used as anti-corrosive paint for concrete facilities and protective coating for beautifying surface.

## 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 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 Brush, roller and 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/㎡ 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) The diluent should be recommended diluent, and excessive dilution should be avoided as it affects the flow phenomenon, workability and general properties.</li><li>13) Repair coating on the previous coat and old coat Please do a test coat before painting (if there is no adhesion).</li><li>14) There is a risk of fire due to static electricity and sparks during brush or roller work on high temperature or low humidity day. It is recommended to apply paint in the morning or late afternoon when the temperature is low, Please use.</li><li>15) In case of 2-liquid type paint, use the electric stirrer for 3 ~ 4 minutes at the specified ratio, and gel phenomenon will occur when the pot life is over. Please note that if you do not use the power mixer, it will not mix uniformly and will not dry out.</li><li>16) High color saturation such as white or ivory may not be concealed, so please apply 2-3 times or more.</li><li>17) Even if the same product, color, and LOT are applied at the time of painting (including TOUCH UP paint), it may cause different color depending on the dilution ratio, coating equipment and coating method. Therefore, , Check the color and work if there is no abnormality.</li><li>18) Please note that due to the thickness of the film and the pattern of the lacquer, it may cause optical stain when applying the matte or semi-gloss laminate. To achieve a uniform film thickness, please adjust the lacquer coating speed or pattern.</li><li>19) In case of top coat, the recommended film thickness is based on 2 times of coating but it may cause difference in appearance of coating surface depending on difference of surface condition, pretreatment, undercoating and substrate absorption.</li><li>20) When spraying, paint may be blown around to contaminate it. Cover with vinyl or the like to prevent contamination.</li><li>21) The maximum dilution should be within 10% (by volume) of the recommended diluent on the data. Over-dilution may cause defects such as color separation, hardening delay, hardness and strength degradation, amine brushing, wrinkles, There is.</li><li>22) Pour the hardener in advance on the subject and mix without mixing before proceeding.</li><li>23) Depending on film thickness and thinning ratio, it may cause gloss, film strength, contamination difference, amine</li></ol>

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	<p>brushing and whitening. Therefore, please coat as evenly as possible according to the specified film thickness and dilution ratio.</p> <p>24) Do not clean the water before the coating is completely dried or in the areas where the amine brushing is occurring (gloss, tackiness, whitening, etc.). When cleaning the water, check the small areas for any abnormalities before proceeding with this cleaning.</p> <p>25) Exposure to water (moisture), alcohol, etc. may cause discoloration / discoloration. Especially, under low temperature and high humidity conditions, amine brushing and whitening may be accompanied.</p> <p>26) Mixed paints should be used within pot life.</p> <p>27) If the maximum subsequent paintable time has elapsed, proper surface treatment is required since the adhesion of the top coat may occur</p> <p>28) After work, clean all painting tools with the specified cleaning agent.</p> <p>29) 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 : Cerafloor Clear</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 62%	<b>Recommended Film Thickness</b>	50 ~ 100 $\mu$ m
<b>Coats</b>	1~2	<b>Mixing Ratio A : B</b>	3.5 : 1(wt)
<b>Recommended Coverage</b>	6.2 m <sup>2</sup> /L (D.F.T = 100 $\mu$ m)	<b>Diluent Ratio</b>	Within 5%(Vol)
<b>Diluent</b>	Super Thinner 90	<b>Shelf Life</b>	12 months (When stored indoors at 5~35°C)
<b>Packing Unit [A : B]</b>	14L (10.89kg/3.11kg) 7L(5.45kg/1.55kg)		

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	10°C	20°C	30°C
<b>Dry touch(mins)</b>	5	4	3
<b>Dry hard(hr)</b>	24	12	10
<b>Dry through(day)</b>	9	7	4
<b>Pot life(mins)</b>	90	60	40
<b>Recoatable(day)</b>	2~3	1~2	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. 2017/09/07