

# SPISEAL URETHANE SEALANT



**SPISEAL URETHANE SEALANT, mainly composed of urethane resin, is a two component sealant with excellent elasticity, durability, tensile strength, corrosion, physical properties. It has excellent elasticity and restorative ability, and it has excellent resistance to dynamic change of the adhered material. It does not shrink after curing and keeps initial flexibility constantly. Therefore, it has strong resistance to shrinkage and elongation. It is also possible to paint on top and it shows excellent adhesion to cement and plastic.**

## Usage

- Joints of concrete, brick, steel, stone, etc.
- Crack repair, joint and waterproof sealing of floors and walls of various buildings
- Other joints for watertight, airtight, vibration parts

## Application Procedure

|                          |   |
|--------------------------|---|
| <b>Procedure</b>         | <p>1. Surface Preparation</p> <ol style="list-style-type: none"> <li>1) The surface to be coated must be cured sufficiently.</li> <li>2) Prepare the surface free from any loose cement, dust, Oil, moisture and other contaminants.</li> <li>3) In case of high strength concrete (260kgf / <math>\text{m}^2</math> or more), it may cause bad adhesion, so it is necessary to perform surface treatment by blasting method and check adhesion performance.</li> </ol> <p>2. Environmental conditions</p> <p>Air temperature : 5~35°C<br/>                 Surface temperature : up to 40°C<br/>                 Relative humidity : up to 80%<br/>                 Dew Point : over 3°C</p> <p>3. Application Equipment</p> <p>Trowel, gun for coatings, and spatula</p>  |
| <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) Please use recommended thinner as diluent. Avoid excessive dilution as it affects flow phenomenon, workability, general properties.</li> <li>13) If you do not paint primer, air bubbles may occur.</li> <li>14) The curing agent reacts with the moisture in the atmosphere and hardens. Keep the curing agent left in the cool and</li> </ol> |

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|                             | <p>dark place immediately after use.</p> <p>15) Mixed paints should be used within pot life.</p> <p>16) Do not use a paint that exceeds the pot life because its spreadability is poor and the appearance of the coating film becomes poor.</p> <p>17) Please use this product within the validity period because it may be deteriorated since this product is a chemical product.</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 consult our enclosed here with warning notice.  |
| <b>Application Systems</b>  | <p>Primer : Urethane Waterproof Master 100</p> <p>Intermediate : SPISEAL Urethane Sealant</p> <p>Intermediate2 : Urethane Waterproof Master 200</p>  |

## Physical data

|                          |                         |                             |  |
|--------------------------|-------------------------|-----------------------------|--|
| <b>Finish</b>            | Glossy                  | <b>Colors</b>               | White, Green, Grey   |
| <b>Applied over</b>      | Mortal, and concrete    | <b>Compenents</b>           | 2  |
| <b>Volume Solid</b>      | 98±2%                   | <b>S.G</b>                  | 1.45   |
| <b>Number of filling</b> | 1~2                     | <b>Recommended Coverage</b> | 156 g [(Joint width (10 mm) X fill thickness (10 mm)) X length (1000 mm)]*Allow for application losses & surface irregularities. |
| <b>Mix-ratio(wt)</b>     | A part : B part = 1 : 3 |                             |  |
| <b>Dry through</b>       | 24hrs                   | <b>Dry to recoat</b>        | 1~3days  |
| <b>Pot life</b>          | 2~3hrs                  | <b>Shelf Life</b>           | 12months(When stored indoors at 5~35°C)  |
| <b>Packing Unit</b>      | 12Kg[2Kg/10Kg]          |                             |  |

※ Presented the technical data are changeable according to quality improvements or working conditions because they were acquired from the results of the laboratory tests and the scene of application