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**Hi-Urethane TOP COAT #2000**

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*Hi-Urethane TOP COAT #2000* is acrylic urethane topcoat which based on polymerized synthetic resin having urethane combination.

It has remarkable elongation and elasticity while it has excellent tensile strength in addition that it has outstanding weathering, water and alkali resistance.

**CHARACTERISTICS**

- Remarkable weathering resistance and durability.
- Decorative appearance and excellent adhesion strength.
- Excellent impact and abrasive resistance.
- Easy to repair and inexpensive maintenance cost.
- Withstand any crack and tremble.
- Variable colors available.
- Ease to apply so that one component.

**RECOMMENDED USE**

- Topcoat for a variety of Hi-Urethane products, waterproofing materials and urethane based coating

**PHYSICAL PROPERTIES**

- Appearance                   A : transparent yellowish liquid  
  B : various colors
- Non-volatile content (%)   A : 35 ± 1.0  
  B : 55 ± 1.0
- Sp.Gr. (25/4 °C)            A : 1.0 ± 0.10  
  B : 1.15 ± 0.10
- Viscosity (cps/25 °C)      A : 70 ± 50  
  B : 70 ± 5 (KU/25 °C)
- Theoretical coverage      0.3 kg/m<sup>2</sup> × 120 μm
- Pot life (hour/25 °C)       min. 1
- Drying time(hour/25 °C)   Min.: 24, Max.: 48

**THINNER**

- Thinner 003

**MIXING RATIO**

- A : B = 1 : 4 (by weight)

**PACKING UNIT**

- Part A : 3.6 kg/4 ℓ , Part B : 14.4 kg/18 ℓ
- Could be packed on request

**STORAGE**

- Store it indoor at room temperature.
- Storage temperature : 0~43 °C
- Humidity : 0~70% (unopened condition)

- Must keep sealed remained product once opened.

**SHELF LIFE**

- 6 months in unopened containers under normal warehouse conditions.

**PRECAUTIONS**

- Keep adequate ventilation during the application.
- Store it indoor and cool place and keep away from ignition.
- Store the remaining materials quite sealed after use.
- Do not exposure to the moisture.
- Keep away from children during coating and storing.
- Products of this type can be expected to be eye and skin irritants and have the potential to cause sensitization or other allergic responses.
- Appropriate precautions should be taken to avoid eye and skin contact and to avoid inhalation of the aerosols or vapors.
- Consult the relevant Material Safety Data Sheet for appropriate handling procedures and protective equipment prior to using this or any other material referred to in this bulletin.
- See Material Safety Data Sheet for emergency and first aid procedures.
- Must not use this product for other purposes except for it's own use.

**Hi-Urethane TOP COAT 2000** is a Jeong Seok's trade mark

*IMPORTANT* The information contained in this publication is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

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### LIMITS

This Sheet covers with the working with **Hi-Urethane TOP COAT #2000** on Polyurethane coatings.

This Sheet is a kind of standard of operations, so if there a specification for detail work and there are some difference in the two documents, it's nice to work according to the specification.

### WORKING CONDITION

- Application tools      Brush, roller and spray  
                                    Electric agitator(for mixing catalyst)
- Thinner                      Thinner 003
- Number of coatings      One time
- Pot life                      min. 1 hour/25 °C

### SURFACE PREPARATION

- Apply after the intermediate coating is cured completely.
- Remove dust, sand, moisture and any other contamination on the surface to be applied

### DIRECTIONS FOR WORK

#### 1. Surface treatment

- Cure the concreted surface sufficiently to remove the alkali of the surface and keep the moisture content within 8% max.

Temperature (°C)	Need to Curing (day)
24	28 Min.
21	30 Min.
10	40 Min.
7	60 Min.

- Clean the surface with acid or sandblast if you need.
- Remove the concrete ash, oil, dust, and any other impurities on the surface.
- Make surface flat with grander removing protrusion of concrete surface.
- If there are some crack, repair it with proper putty such as epoxy putty.
- If needed, one of next three method should be carried out.

#### 2. Primer and intermediate coating

- Apply to cleaned surface with proper primer.
- Apply with the Hi-Urethane after curing the primer.
- See the DIRECTIONS FOR USE of Hi-Urethane for the details.

#### 3. Direction for **Hi-Urethane TOP COAT #2000**

- Check the curing of intermediate coating and then apply the Hi-Urethane TOP COAT #2000.
- Repair the intermediate if there are some problems as curing problems or coming undone from the floor.
- Mix well the Hi-Urethane TOP COAT #2000 A and B.
- It can mixed without electric stirrer because of it's low viscosity.
- Apply mixed well Hi-Urethane TOP COAT #2000 on the surface with paint roller, sprayer or other proper instruments.

- It could be used thinner when it need to adjust the fluidity for easy control.
- Do not use the alcohols as thinner, the alcohols react with the Hi-Urethane TOP COAT #2000.
- If you use sprayer, clean well the hose and other equipment of sprayer after the operations to prevent curing the Hi-Urethane TOP COAT #2000 in the equipment.
- Keep prevent passage in 24~72 hours after applying and then permit when it fully cured.

### PRECAUTIONS

- Keep adequate ventilation during the application.
- Store it indoor and cool place and keep away from ignition.
- Keep away from children during coating and storing.
- Take a gas mask and put on the other personal protector in the applying.
- Once opened, containers should be resealed immediately after removal of the product.
- Do not exposure to the moisture .
- Must use suitable thinner, otherwise you must get failure coating film.
- In case of ingestion or skin contact, administrate first aid according to notice on container or Material Safety Data Sheet(MSDS), and see the doctor immediately.
- Do not use other purpose except original recommended use.

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