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**SUPERTEX HM**

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**SUPERTEX HM** is a high performance, hand-mixed, pure polyurea elastomer. This system is based on prepolymer with aliphatic polyisocyanate, secondary aliphatic diamines. It is used to repair that get loose layer or pin-hole of intermediate coating.

**CHARACTERISTICS**

- It is used to repair pin-hole or exfoliation of SUPERTEX products.
- It is mixing well that make use of electric agitator and applies to surface with rake or roller.
- 100% solids and no catalyst type.
- Non-yellowing/gloss retention, good weathering and high corrosion-protection characteristics and good leveling.
- The highest level of coating chemical resistance, protection against the destructive effects of salt water and prevents discoloration of the polyurea intermediate coat, which is sensitive to the ultraviolet rays of sunlight.
- It can be applied in low temperatures or high-humidity conditions without problems.
- Excellent physical properties such as chemical, impact, abrasion, cold, heat, water resistance and durability and UV resistance.

**RECOMMENDED USE**

- Fast-cure coating systems are greatly shortened.
- It is a repair coating of polyurea intermediate coat.

**PHYSICAL PROPERTIES**

- Appearance part A : white transparent liquid  
part B : various colors
- Non-volatile content (%) part A : 100 part B : 100
- Specific gravity (25/4 °C) part A : 1.1 ± 0.05  
part B : 1.3 ± 0.1
- Viscosity (cps/25 °C) part A : 1000 ± 200  
part B : 1000 ± 200
- Mixing ratio(volume) 1:1
- Theoretical coverage 1.2 kg/m<sup>2</sup> × mm
- Pot life(min/25 °C) 20~30
- Tack free time(min/25 °C) min. 60
- Post cure(hour/25 °C) 3
- Hardness (Shore A) over 90
- Elongation (%) 250 ± 50
- Tensile strength (N/cm<sup>2</sup>) over 980
- Tear strength (N/cm) over 588
- Primer polyurethane primer  
(Primer SP-200)
- Intermediate coat **SUPERTEX products**
- Recoating interval within 24hours (25 °C)

**STORAGE**

- Store it indoor at room temperature.
- Storage temperature : 15~30 °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.
- Use masks, gloves, or other protector during the application.
- Store the remaining materials quite sealed after use.
- Do not exposure to the moisture.
- Keep away from children during coating and storing.
- 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.

**SUPERTEX HM** 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.

**PACKING UNIT**

- Part A : 1 ℓ /can, Part B : 1 ℓ /can
- Could be packed on request.

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### LIMITS

This Sheet covers with the working with **SUPERTEX HM**. 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.

### SURFACE PREPARATION

- Importance of surface treatment : There are much alkaline dust on the concrete surface, and it make poor adhesion with polyurethane and surface. So it must be removed for strong film and excellent adhesion.
- 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 , sandblast or grinding if you need.
- It should be cured completely when the appropriate primer or equivalent material was applied.
- Remove dust, sand, moisture and oil on the surface.
- In case that the surface to be applied is damp, dry fully and apply.

### DIRECTIONS FOR WORK

#### 1. Direction for **Primer SP-200** coating

- Check the cleaned well surface.
- If there are some water it must be dried and must be not dusty.
- Then apply to cleaned surface with proper primer, Primer SP-200 or SP-100 or Hi-Urethane Primer
- Apply with the **SUPERTEX products** after curing the primer. It may be one to twelve hours after primer coating.
- See the DIRECTIONS FOR USE of Hi-Urethane Primer or **Primer SP-200** for the details.

#### 2. Direction for **SUPERTEX products**

- Check the curing of Primer coating and then apply the **SUPERTEX products**
- You can only use plural component equipment(minimum 1500psi) dynamic pressure with heating capabilities to 79°C will adequately spray this product on the same GRACO E-XP2.
- Connect fluid supply hoses to outlet hose connections, connect main supply air hose.
- The unit does checking for pressure imbalance(more than 200psi)
- Fast gel and tack-free times set making applicable on the inclined or vertical surface without sagging and short down time.
- If material temperature is low, the fluids must be circulated from the pump and rise in temperature depending on manufacturer.
- The limitations are in the ability of the application

- equipment to provide adequate material pressure and heat.
- In that time, you apply with 0.1~0.3mm of first coating. If you need more than 2mm thickness, apply within 1mm per one time until to get aiming thickness.
- When the humidity is higher than 85%, you might as don't use as possible.
- This product is for professional use only.

#### 3. Direction for top-coat **SUPERTEX HM**

- Repair the intermediate if there are some problems as curing problems or coming undone from the floor.
- Check the pin-hole and exfoliation of intermediate coating and then apply the **SUPERTEX HM**.
- Keep prevent passage in 3~24 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.
- Once opened, containers should be resealed immediately after removal of the product.
- Do not exposure to the moisture.
- Keep away from children during coating and storing.
- Take a gas mask and put on the other personal protector in the applying.
- Must use suitable thinner, otherwise you must get failure coating film.
- 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.

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