

SPUA-103 Industrial Floor Covering

PRODUCT INFORMATION

PRODUCT DESCRIPTION	RECOMMENDED USES
<p>SPUA-103 is a 100% solid, fast set, spray-applied, two component aromatic polyurea elastomer. The system consists of the A component, a quasi-prepolymer rich of free NCO, and the B component, a mixture of polyetheramine, amine extenders and other additives. The unique polyurea chemistry allows this material to be tolerant of moisture and lower temperatures during application. This means that high humidity and hidden moisture in concrete has minimal effect on the application of this product.</p> <ul style="list-style-type: none"> • Fast cure, short downtime but not-sagging • Moisture and temperature insensitivity during processing • High thermal stability • 100% solids, No VOC's and odorless • Extraordinary physical properties • Exceptional adhesion to primed concrete • High elongation properties, resistance to freeze-thaw • Seamless, non-porous surface • Excellent anti-slip properties, avoiding to slide • High abrasion resistance, offers protection from maintenance traffic and severe weather condition. 	<p>Designed for use as an industrial, decorative, anti-slide floor and wall coating system. Ideally suited for use in various areas, including:</p> <ul style="list-style-type: none"> • Mechanical equipment rooms floorings • Pharmaceutical clean rooms and processing areas • Food and beverage handling and processing • Hospital labs, operating and emergency areas • Stadium walkways, aisles, decks and stairs • Gymnasium areas <p>To requirement of semi-gloss surface and avoiding shine eye, the cure time can be accelerated to obtain evenly orange peel apparent by directly spraying.</p>
PRODUCT CHARACTERISTICS	PERFORMANCE CHARACTERISTICS
<p>Color: <i>Optional</i></p> <p>Solids: <i>100%</i></p> <p>VOC(calculated): <i>0</i></p> <p>Shelf Life: <i>6 months, unopened at 15~40°C</i></p> <p>Flash Point: <i>>200°C</i></p> <p>Gel time: <i>8 seconds</i></p> <p>Mix Ratio (by volume): <i>1 : 1</i></p> <p>Recommended Spreading Thickness: <i>1~3mm</i></p> <p>Drying time is temperature, humidity, and film thickness dependent..</p>	<p>Tensile Strength : <i>15MPa</i></p> <p>Tensile Elongation: <i>350%</i></p> <p>Tear Strength: <i>51KN/m</i></p> <p>Impact Resistance: <i>1.5Kg•m</i></p> <p>Electric Stength: <i>21Mv/m</i></p> <p>Abrasion Resistance: <i>≤5mg</i></p> <p>Durometer Hardness: <i>Shore A-85~95</i></p> <p>Adhesion: <i>3.1MPa</i></p> <p>Coefficient of friction: <i>0.75~0.86</i></p> <p>Specific Gravity: <i>1.03g/cm³</i></p>
ORDERING INFORMATION	RECOMMENDED PRIMERS
<p>Packaging:</p> <p>Part A: 220 kilogram drums</p> <p>Part B: 200 kilogram drums</p> <p>Freight Classification:</p> <p>Coating Solution Non-Flammable Liquid</p>	<p>Concrete:</p> <p>SPUA-D400 Sealing Primer @ 8~10 sq.m./1 Kg per coat</p> <p>Others: Contact us for a recommendation.</p>

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APPLICATION INFORMATION	
SURFACE PREPARATION	CURE TIME
<p>Surface must be properly prepared. Remove all oil, dust, grease, dirt, loose, and foreign materials to ensure adequate adhesion.</p> <p>Concrete Concrete surfaces prepared according to NACE standard RP0892-92. Patch and fill all cracks, voids and bugholes on old concrete with SPUA-N100 Rigid Filler. Allow substrate to dry thoroughly prior to priming (minimum substrate of new concrete cure is 28 day). Remove all from loose dust or other foreign matter and prime with primer SPUA-D400 Sealing Primer at 1~2 coats prior to spraying.</p>	<p>Surface dry (25°C) ≤ 1 minute Hard film (25°C) ≤ 10 minutes Recoat time <i>Minimum unlimited</i> <i>Maximum ≤3 hours</i></p> <p>Due to rapid cross-linking, recoating must be done as soon as the first coat is dry. If maximum recoat time is exceeded, abrade surface before recoating. Consult us for recommended recoat procedures.</p>
APPLICATION CONDITIONS	CLEAN UP INSTRUCTIONS
<p>Temperature: Air and surface: -20°C~40 °C At least 3 °C above dew point Relative humidity: ≤90%</p> <p>Materials must be preheated to 21°C prior to use.</p> <p>Contact us for detailed application information.</p>	<p>Clean tools and equipment immediately after use with SPUA-PC Proportioner Cleaner or SPUA-GC Spray Gun Cleaner.</p> <p>Consult <i>Plural Component Equipment Guide</i> for specific information.</p>
APPLICATION EQUIPMENT	STORAGE CONDITIONS
<p>Plural Component Heated Spray Equipment (Required) Equipment.....<i>Gusmer H-20/35</i> Gun.....<i>GX7 DI, GX7-400, or GX-8</i> Fluid Pressure.....<i>50--60kg/cm²</i> Air Pressure.....<i>≥7kg/cm²</i> Inlet Strainer Screen.....<i>30mesh</i> Gun Screen.....<i>80mesh</i> Heaters and heated hose.....<i>65°C</i> Mix Ratio.....<i>1:1</i></p> <p>If specific application equipment is listed above, equivalent equipment may be substituted.</p> <p>Contact us for specific information.</p>	<ul style="list-style-type: none"> • The A component is affected by moisture and must be protected from moisture contamination. Containers are factory sealed with an inert gas to prevent contamination. Keep all containers tightly closed during storage. For further storage after opening, containers must be purged with nitrogen gas or dry air and tightly sealed to protect from moisture contamination. • Store drums and pails in a cold, dry and ventilated location between 15°C and 40°C • Keep away from rain and sun • Keep away from fire and heat source

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APPLICATION INFORMATION	
THINNING	SAFETY PRECAUTIONS
<i>DO NOT THIN!</i>	<p>Consult MSDS sheet before use. Use proper ventilation and respiratory equipment when spraying. Protect skin and eyes. Follow disposal methods in accordance with local and federal disposal regulations.</p> <p>This product is intended for industrial use by properly trained professional applicators only.</p> <p>Published technical data and instructions are subject to change without notice. Contact Us representative for additional technical data and instructions.</p>
MIXING INSTRUCTIONS	
Thoroughly mix container of B component with an air-driven power mixer for a minimum of 5 minutes prior to application.	