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JOABOA®
SPU Overstrength Elastic One-Component Polyurethane Waterproofing Coating

https://joaboatech.en.alibaba.com
PRODUCT INTRODUCTION

- SPU Overstrength Elastic One-Component Polyurethane Waterproofing Coating (hereinafter referred to as “SPU”) is developed and produced by the latest technology by JOABOA TECH from abroad.
- It is a one-component solidified polyurethane waterproofing coating with water, composed of main ingredients like isocyanates, polyethers with some additives. It is flexible waterproofing coating by chemical reaction.
- During construction, get the coating mixed uniformly, then brush it on the base directly. If necessary, add no more than 10% clean water into the coating and blend them well by the motor stirrer before coating the base.

PRODUCT FEATURE

- One-component waterproofing coating. Easy to handle and apply.
- Physical properties of the solidified film is featured with high-strength, high elongation, high-resilience, good anti-fatigue and high aging resistance.
- Excellent weatherability, so that be adaptable to climate changes in regions with hot or cold weather.
- As environment-friendly products, it contains no solvent and less volatile organic compounds (VOC), innoxious, odourless, pollution-free and safe.
- By water solidified mechanism, it can form into film on moist base, which contributes to more applicable of SPU.

TECHNICAL INDEX

<table>
<thead>
<tr>
<th>Item</th>
<th>Standards: GB/T 19250-2013</th>
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<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Solid Content /%</td>
<td>≥ 85.0</td>
</tr>
<tr>
<td>Surface Drying Time /h</td>
<td>≤ 12.0</td>
</tr>
<tr>
<td>Hard Drying Time /h</td>
<td>≤ 24.0</td>
</tr>
<tr>
<td>Tensile Strength /MPa</td>
<td>≥ 2.00</td>
</tr>
<tr>
<td>Elongation at Break %</td>
<td>≥ 500</td>
</tr>
<tr>
<td>Tear Strength / (N/mm)</td>
<td>≥ 15</td>
</tr>
<tr>
<td>Flexibility at Low Temperature</td>
<td>-35°C, No Crack</td>
</tr>
<tr>
<td>Water Permeability</td>
<td>≥ 0.3MPa, ≤ 100mm, Inpermeable</td>
</tr>
<tr>
<td>Heat Shrinkage Rate %</td>
<td>≥ -4.0~+1.0</td>
</tr>
<tr>
<td>Bonding Strength /MPa</td>
<td>≥ 1.0</td>
</tr>
<tr>
<td>Water Absorption /%</td>
<td>≤ 5.0</td>
</tr>
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Heat Treatment (80°C, 168h)

- Retention tensile strength % ≥ 80~150
- Retention elongation at break % ≥ 450
- Retention Flexibility at Low Temperature -30°C, No Crack

Alkali Treatment (0.1% NaOH+Ca(OH)₂, 168h)

- Retention tensile strength % ≥ 80~150
- Retention elongation at break % ≥ 450
- Retention Flexibility at Low Temperature -30°C, No Crack

Acid Treatment (2%H₂SO₄, 168h)

- Retention tensile strength % ≥ 80~150
- Retention elongation at break % ≥ 450
- Retention Flexibility at Low Temperature -30°C, No Crack

CONSTRUCTION REQUIREMENT

- Keep the waterproofing base firm, smooth, clean, no dust, oil and visual water.
- Brush directly after stirring SPU evenly.
- Brush in large area. Brush SPU on the substrate with rubber scraper, and guarantee suitable strength, uniformity and no stack.
- Recommended thickness is not beyond 0.7mm at per coating film, and two or three times coating film is better.
- Do the second time’s brush after the first film is dry, namely non-stick with hand. Remember the brushing direction is orthogonal with the last film, until reaches the design thickness.
- If necessary, add some water whose weight is about 10% of the coating, and stir evenly not less than 3min by electric mixer.

NOTE

- Substrate should be dry.
- Change the brushing direction alternately at per brushing layer. Make sure the overlap width reaches 30~50mm between sequential two brushing in the same coating film.
- Avoid the overlap been damaged, and its width should be more than 100mm. Clean its surface before the next brush.
- Brush several times in the last application area.
- Avoid stir too much SPU with water at one time, or the coating may solidified before using up.
- The coating should be used up after exposed to the outside unless stored in sealed container.
- Wear some protective clothing while application. Keep skin and eyes away from the coating.

APPLICATION RANGE

- Widely used in general buildings’ roofs, external walls, basements, balconies, kitchens and lavatories. Some special buildings like granaries, civil air defence works, bridge projects.

PACKAGE SPECIFICATION

- 25kg per pail