



SHENZHEN JOABOA TECHNOLOGY CO., LTD

Add.: Floor 16th, No.2 North Area, Excellence City Central Square, Melin, Futian Dist.,  
Shenzhen, Guangdong, China

Tel.: +86 0755 33052250 Fax: +86 0755 33052266 Zipcode: 518049

Website: [www.joaboa.net](http://www.joaboa.net) Email: [International@zhuobao.com](mailto:International@zhuobao.com)

**JOABOA®**

**SPU Overstrength Elastic  
One-Component Polyurethane  
Waterproofing Coating**

### ● 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 broad.
- 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), innocuous, 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

Standards: GB/T 19250-2013

Item		Type I
	Solid Content /%	≥ 85.0
	Surface Drying Time /h	≤ 12.0
	Hard Drying Time /h	≤ 24.0
	Tensile Strength /MPa	≥ 2.00
	Elongation at Break /%	≥ 500
	Tear Strength / (N/mm)	≥ 15
	Flexibility at Low Temperature	-35℃, No Crack
	Water Impermeability	0.3MPa, 120min, impermeable
	Heat Shrinkage Rate /%	-4.0 ~ +1.0
	Bonding Strength /MPa	≥ 1.0
	Water Absorption /%	≤ 5.0
Heat Treatment (80℃, 168h)	Retention tensile strength/%	80 ~ 150
	elongation at break/%	≥ 450
	Flexibility at Low Temperature	-30℃, No Crack
Alkali Treatment {0.1% NaOH+Ca(OH) <sub>2</sub> , 168h}	Retention tensile strength /%	80 ~ 150
	elongation at break /%	≥ 450
	Flexibility at Low Temperature	-30℃, No Crack
Acid Treatment (2%H <sub>2</sub> SO <sub>4</sub> , 168h)	Retention tensile strength /%	80 ~ 150
	elongation at break/%	≥ 450
	Flexibility at Low Temperature	-30℃, 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 scrapper, 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