

● PRODUCT INTRODUCE

- SPU Overstrength Elastic Waterproofing Coating (Hereinafter Referred to as "SPU") is developed and produced by latest technology introduced by JOABOA from abroad.
- It is one-component water solidified polyurethane waterproofing coating, composed of main ingredients like isocyanates, polyethers, with some additives. It is flexible waterproof coating by chemical reaction.
- During construction, get the coating mixed uniformly, then brush it on the base directly. If necessary, added no more than 10% clean water (in terms of weight) into the coatings and blend them well by 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: QB/T 10250-2009

| Item | Unit | Typical | Typical |
|----------------------------------|------|------------|---------|
| Tensile strength/MPa | ≥ | 1.90 | 2.45 |
| Elongation at break/% | ≥ | 600 | 480 |
| Tear strength/N | ≥ | 12 | 14 |
| Low temperature flexibility/°C | ≤ | -40 | -40 |
| Impermeability @ 3MPa, 30min | | No seepage | |
| Solid content/% | ≥ | 85 | |
| Surface drying time/h | ≤ | 12 | |
| Hand drying time/h | ≤ | 24 | |
| Adhesion with wet substrate/MPa* | ≥ | 0.5 | |

*Remark: It shall be suitable for wet surface of waterproofed construction.

● NOTES

- 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.

● 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 5~10% of the coating, and stir evenly not less than 3min by electric mixer.

● 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 or customized.