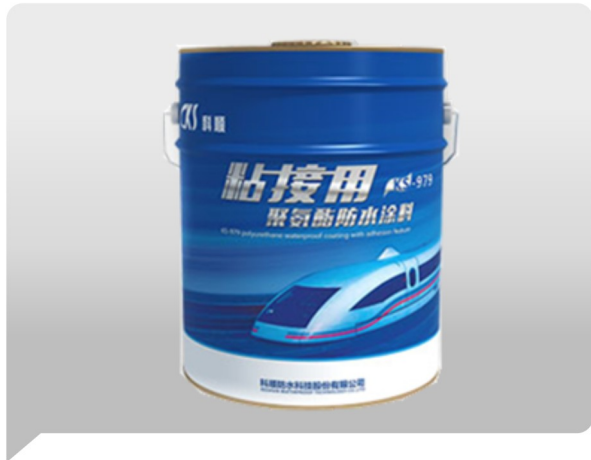


AQUACOAT KS-979

POLYURETHANE WATERPROOF COATING WITH ADHESION FEATURE



DESCRIPTION

KS-979 Polyurethane waterproof coating is developed by our company, used as a bonding agent between the substrate and the bitumen membrane, special use for railway bridge transportation construction.

PRODUCT FEATURE

- It has excellent tensile and elongation, strong bond strength with the base surface, and the film elasticity can be adaptable to the deformation of concrete.
- Excellent low temperature resistance and water impermeability, the coating is wear-resistant, acid resistant and alkali resistant.
- In the construction, no solvent is added, it is safe and environmental, the curing is rapid, and the construction schedule is fully met.

MAIN APPLICATION

- Used for bonding waterproof membranes, bridge deck waterproofing of railway concrete bridges.

CONSTRUCTION

- Primary treatment: construction should be carried out before the basic cleaning, cleaning, repair of the primary application of polymer mortar with dense honeycomb, surface voids, cracks and other defects.
- Ingredients: strictly mix the A and B components according to the specified mix ratio, and stir fully with an electric mixer for about 1-2 minutes.
- Coating waterproof layer: the polyurethane waterproof coating should be spread all over the coating. After the first construction of the coating, the coating can be coated after the coating. The direction of the coating should be perpendicular to each other, the thickness of the brush is not less than 1.5mm., and the amount of each square meter is not less than 1.8kg.
- The paving of the coiled material waterproof layer should be completed in 20min after the completion of the last construction of the waterproof coating.
- Waterproof coating for waterproofing membrane coating waterproof coating for edge. The width of the edge should not be less than 80mm brush thickness should not be less than 1.5mm.
- Inspection basis.

SUPPLY

Packing Specification

40kg A part 20kg/bucket, B part 20kg/bucket Mix ratio A:B=1:1(weight ratio)

ATTENTION

- Transportation and storage, in order to avoid sunning and rain, to prevent collision, extrusion, and pay attention to ventilation.
- The storage temperature should not be higher than 40°C, and the minimum temperature should not be lower than 0°C.
- The period of validity of unopened products is 1 years.

PHYSICAL PROPERTIES

Implemented Standard: TB/T2965-2011

| No. | ITEMS | | INDEX |
|-----|---|--|----------------------------|
| 1 | Appearance | | Uniform, sticky, not black |
| 2 | Impermeability | | 0.4 MPa,2h, impermeable |
| 3 | Solid content, % | | ≥98 |
| 4 | Surface dry time, h | | ≤4 |
| 5 | Full dry time, h | | ≤24 |
| 6 | Alkali resistance, saturated Ca (OH) ₂ solution,500h | | No cracking, no peeling |
| 7 | Adhesive strength to wet surface, MPa | | ≥0.6 |
| 8 | Adhesive strength to concrete, MPa | | ≥2.5 |
| 9 | Tear strength, N/mm | | ≥25 |
| 10 | Peel strength to cement, N/mm | | ≥2.5 |
| 11 | Tensile Strength, MPa | | ≥3.5 |
| 12 | Retention of tensile strength, % | Heat treatment, 80°C, 168h | ≥100 |
| | | (0.1%NaOH+Ca (OH) ₂ , 168h) Alkali treatment | ≥70 |
| | | (2%H ₂ SO ₄ , 168h) Acid treatment | ≥80 |
| 13 | Retention of tensile strength, % | Without treatment | ≥450 |
| | | Heat treatment · 80°C · 168h | ≥450 |
| | | (0.1%NaOH+Ca (OH) ₂ , 168h) Alkali treatment | ≥450 |
| | | (2%H ₂ SO ₄ , 168h) Acid treatment | ≥450 |



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