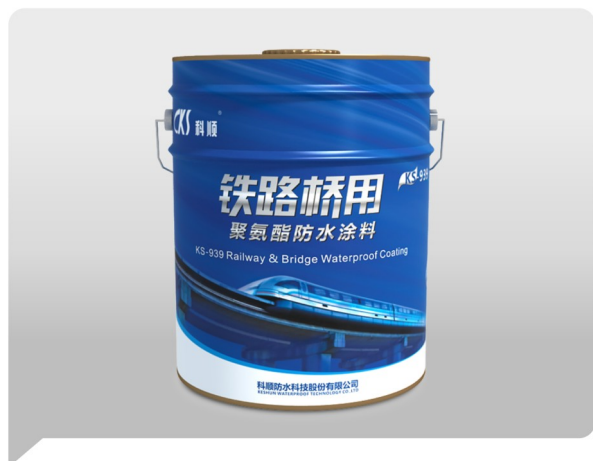


AQUACOAT KS-939

POLYURETHANE WATERPROOF COATING FOR RAIL WAY & BRIDGE



DESCRIPTION

KS-939 polyurethane waterproof coating for railway & bridge is a kind of coating with two components chemicals, component A is a pre-polymer polymerized by polyether and isocyanate, component B is colorful liquid made up of reinforcing agent, plasticizer, accelerating agent, which is researched special for railway & bridge and its standard reach & exceed than railway required.

PRODUCT FEATURE

- With remarkable tensile rate and high elongation rate, and can be perfectly adhesive with construction base, the materials can be changed its form with concrete at the same time.
- Excellent low temperature performance and impermeability, tear resistance, acid and alkali resistance.
- No need to add solvent during the construction period, safe and environmentally friendly, curing quickly, completely meet the requirements of the construction schedule.

MAIN APPLICATION

- Railway & Bridge.

INSTALLATION

Mixing The ratio of component, A to B is 1: 2 according to the construction amount.

Application Method Surface preparation: Surfaces should be dry, stable, clean, smooth, without pockmarks or honeycombs and free from any dusts, oil or loose particles. Cracks and surface irregularities need to be filled by sealants and do additional waterproofing. For smooth and stable surfaces, this step can be skipped.

Additional layer Painting KS-939 as additional layer to enhance at internal and external corners, drain pipes, floor drains or embedded parts.

Application of waterproof coated membrane It can use rubber scrapers or spray equipment to paint 2 or 3 times. After fully dry, it can be painted again. The normal time between each painting is 24 hours. The direction of second time painting needs to be perpendicular to the first-time painting.

Application of protection layer After waterproof coated membrane is fully dry and meets quality requirements, it can begin application of protection layer.



SUPPLY

20 kg/bucket.

The usage for 1.0mm thickness coating is about 1.3-1.5 kg/square meter.

ATTENTION

- The temperature for application of ks-939 should be above 5 °C.
- KS-939 has to be used out as soon as possible and no more than 20 minutes once opened. It cannot be exposed to the air for long time.
- The storage and application places should be well-ventilated and no fire.

PHYSICAL PROPERTIES

Implemented Standard: TB/T2965-2011

No.	ITEMS	INDEX
		FOR WATERPROOF LAYER
1	Tensile(MPa) \geq	6.0
2	Elongation rate %	Heating \geq 100
		Alkali treatment \geq 70
		Acid treatment \geq 80
3	Elongation at break %	No treatment \geq 450
		Heating \geq 450
		Alkali treatment \geq 450
		Acid treatment \geq 450
4	Foldability at low	Non-treatment \leq -35°C, no crack
		Heat treatment \leq -35°C, no crack
		Alkali treatment \leq -35°C, no crack
		Acid treatment \leq -35°C, no crack
5	Surface drying time(h)	\leq 4
6	Actual drying time(h)	\leq 24
7	Impermeability 0.4Mpa, 2h	No leakage
8	Heat stability (%)	\geq -4.0, \leq 1.0



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