

## AQUACOAT KS-929D

LOW VOC GRAPHENE SINGLE COMPONENT POLYURETHANE WATERPROOF COATING



### DESCRIPTION

Aquacoat KS-929D single component polyurethane coating is moisture-cured high polymer waterproof coating. It can react with the moisture in the air and form a non-toxic, aosmic and high elastic waterproof film. It is a new type of environmentally-friendly waterproof coating.

### PRODUCT FEATURE

- Low VOC content which VOC is less than 100g/L.
- Strong adhesion with substrate such as concrete, steel structure, wood, or hard PU form, etc.
- Excellent elongation of film and tensile strength. Good resistant against settlement of substrate.
- Applicable to complex construction or application area.

### MAIN APPLICATION

- Flat or slope roof and balcony ,but protection course is required.
- Underground constructions such as basement floor, retaining wall, tunnel or pich.
- Indoor bathroom and kitchen, balcony, swimming pool, water outfall.
- Specialize for area which ventilation condition is bad.

### INSTALLATION

#### Substrate Preparation All Surfaces

The substrate needs to be strong and smooth, clean and dry. Fill the holes with cement mortar. The flaws such as honey comb should also be repaired. The external and internal corner are made to be arc. Internal corner:  $D \geq 50\text{mm}$  External corner:  $D \geq 10\text{mm}$ . Brush the first layer then pave the non-woven reinforced layer. Permeate the reinforced layer with the material thoroughly.

#### Application:

Firstly, apply the stirred polyurethane waterproofing coating over special positions like the external and internal reinforcement as well as the orifice of the through-wall pipe. After meeting the requirement, make the widespread coating. Using brush or rubber scraper to brush the substrate evenly. Apply the second layer provided the first layer is cured. The coating direction is vertical to the first one and then the third layer's direction is the same as the first one. Brush repeatedly till meets the designed thickness. After curing, it will form a complete seamless waterproof rubber film which is bond strongly to the substrate. Before the next procedure, pay attention not to damage the waterproofing membrane with hard objects in case of invalidation of the waterproofing. If damaged, notify the constructor to repair it.

The interval time: it depends on the application site but typically the surface drying time is about 12 hours.

### SUPPLY

#### Usage

1.3~1.5kg/m<sup>2</sup> for 1mm-thickness film

#### Packaging

25kg/pail

### SHELF LIFE

Do not store product exposed to weather and sun. When kept in a cool, dry and protect area, sealed pail has a 6-months shelf life after the date of production.

## ATTENTION

- Run it out after open, the using time is within 30 minutes. Long-term storage will cause the forming of a thin film in the surface. Remove this when application. It will not cause ineffectiveness.
- Before the coating is cured, walking above the waterproof layer is prohibited. Avoid damaging the waterproof layer by heavy and sharp objects.
- Keep the construction site well ventilated. The operator should wear protective equipment such as safety helmet, gloves and working shoes in case of the skin and eyes irritation. The site should keep away from the fire source.
- Apply protective layer after checking and accepting the coating.
- Application under snowy and rainy days, sandy days and low temperature as well as on the substrate which do not meet the requirements are prohibited

## PHYSICAL PROPERTIES

Implement Standard: GB/T19250-2013

No.	ITEMS	TECHNICAL REQUIREMENT	INDEX
1	Features	Uniform sticky liquid, no gel and no lump	Uniform sticky liquid, no gel and no lump
2	Solid content,%	≥85	90
3	Surface drying time, h	≤12	3
4	Fully drying time, h	≤24	4
5	Tensile strength, Mpa	≥2	2.19
6	Elongation at break,%≥	≥500	680
7	Tear strength, N/mm≥	≥15	15
8	Low temperature flexibility	-35 °C	no cracking
9	Water tightness	0.6MPa 120min	impermeable
10	VOC content g/L	≤200	76



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