

## AQUACOAT KS-929

SINGLE COMPONENT, MOISTURE CURED, POLYURETHANE WATERPROOFING COATING



### DESCRIPTION

**Aquacoat KS-929** is a moisture cured polyurethane waterproofing coating.

**Aquacoat KS-929** is a single component, polyurethane waterproofing coating designed for application on horizontal and vertical concrete surfaces. When applied to concrete, it provides an excellent barrier which is impervious to water.

### RECOMMENDED FOR

Podium Slab, Lift Pits, Tunnel and Subway Structures, R.C. Retaining Wall, R.C. Gutters, R.C. Roof, Water Features, etc

### PACKAGING

**Aquacoat KS-929** is available in 25kg/pail.

### COVERAGE

Under normal conditions, coverage rate for **Aquacoat KS-929** is 1.3 - 1.5kg/m<sup>2</sup> per coat.

**Optional:** Additional coat to be applied for areas which are subject to extreme water ingress or where high thermal stresses are anticipated.

### ADVANTAGES

Resist hydrostatic pressure, crack bridging properties, elastic, seamless, flexible, good adhesion, can be applied by brush, broom or roller.

### APPLICATION PROCEDURES

#### • Surface Preparation

The smooth(light steel-trowel to be used) substrate to be treated must be fully cured and sound, which shall mean that it is free of oil, excess mortar, grease, clean and other contaminants. Any defects such as cracks & honeycomb shall be repaired with suitable repair methods.

#### • Mixing

Stir **Aquacoat KS-929** thoroughly and gently with an electrical mixer to minimize air entrapment. Use within 30 minutes.

#### • Application

Primer Coat – Mix 3% - 5% of Xylene to **Aquacoat KS-929** and stir gently with electrical mixer for not less than 2 minutes prior primer coating.

1<sup>st</sup> Coat – Apply the well mixed **Aquacoat KS-929** at 1.3 - 1.5kg/m<sup>2</sup> per coat in one direction. (allow to cure approximately 6-12 hours)

2<sup>nd</sup> Coat – Apply the well mixed **Aquacoat KS-929** at 1.3 - 1.5kg/m<sup>2</sup> per coat in a crosswise direction as a second coat application. (allow to cure for 24 hours)

### STORAGE

**Aquacoat KS-929** must be stored in cool and dry place. Sealed pail has 6 months shelf life.

### LIMITATION

Not subject to any traffic and must be protected by protective screed or polystyrene board.

Not recommended for substrates which are susceptible to rising dampness.

Do not be apply with high consumption than recommended amount.

### CLEANING

Clean all tools and equipment immediately with solvent after application.

### TECHNICAL SUPPORT

For more information, alternative applications or alternative proposals, please contact our Technical Department email address below.

### SAFETY PRECAUTIONS

We recommend to use protective gloves during application. If there is chemical contact with eyes and skin, wash immediately with plenty of water. Seek medical assistance immediately.

### TECHNICAL DATA

No.	ITEM	TEST RESULT	TEST METHOD
1	Peel strength( with concrete)	4.01N/m	ASTM D4541-17E
2	Low temperature flexibility	(-30°C2h) No cracking	ASTM D412
3	Low temperature crack bridging	No effect	ASTM D412
4	Waterproof membrane strength	2.65MPa	ASTM D624
5	Waterproof membrane elongation	573%	ASTM D903-98
6	Hydrostatic pressure resistance	0.7MPa,1h,No water leakage	ASTM D1907 -01
7	Initial tensile bond strength	1.0N/mm <sup>2</sup>	ASTM C836-06
8	Tensile adhesive strength after immersion	0.5N/mm <sup>2</sup>	ASTM D 412
9	Tensile bond strength after thermal aging	0.8N/mm <sup>2</sup>	ASTM D 412
10	Tensile adhesive strength after freezing and thawing cycles	0.6N/mm <sup>2</sup>	ASTM D5385-1993
11	Tensile adhesive strength aftersaturated saturated lime water	0.9N/mm <sup>2</sup>	EN 14891: 2012
12	Impermeable/ No leakage andweight gains20g	no penetration	
13	Crack bridging capacity under standard conditions	2.5 5.11mm	
14	Tensile adhesive strength after immersion in brine	0.7N/mm <sup>2</sup>	
15	Fracture bridging capabilityat very low temperature(-35°C)	4.9mm	
16	Solid content	≥85.0	GB/T19250-2013

Remark: the ASTM data is only for reference



#### KESHUN WATERPROOF TECHNOLOGY CO., LTD

Address: No.38-1, Hongqi Zhong Road, Ronggui ,Shunde district , Foshan , Guangdong Province, China

Tel: +86 -757 -2863-7166 Fax: +86-757-2661-4480

E-mail: sales@keshun.com.cn Website: <https://cks.keshun.com.cn>

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.