

Aquacoat QL-930

Single Component,
Water-Cured 100% Polyurethane
Waterproof Coating



Description

Aquacoat QL-930 is one component creamy white liquid prepared by advance technology and contemporary production unit. During coating application, water, as the curing cross-linking agent, is directly added into the coating whose active group will react with the water molecule and cure to form a rubberized waterproof film coating.

Product Features

- Single component packing. Contains no solvent, non-toxic, odourless, not polluting, self-leveling, quick curing and simple installation.
- Strong bonding to concrete substrate. Can be easily installed on wet substrate.
- High tensile strength and elongation. Highly conformable & excellent adaptability to the deformation in substrate.
- Heat and cold resistant. (-40~95). Chemical corrosion resistance.
- High solid content: $\geq 92\%$. Less PU material per square meter.

Main Application

- Non-exposed & buried roof,
- Landscape Decks, Retaining Walls
- Water Bodies, Planter Boxes
- Sunken Areas, Bathroom & Kitchen;
- Swimming pool, Fountain pool, Bathroom pool
- Subway, tunnel and underground construction.

Installation

Substrate Preparation

All Surfaces

Concrete substrate needs to be sound, clean, uniform and regular. Fill the holes with cement mortar. The flaws such as honey comb should also be repaired. The external & internal corner are rounded. 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 PU material thoroughly.

Application

Firstly apply the stirred polyurethane waterproofing coating over special positions like the external and internal reinforcement as well as penetrations like through-wall pipe. Afterwards, for widespread coating. Use 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 direction is the same as the first one. After curing, it will form a complete seamless waterproof rubber film which will bond strongly to the substrate. Before protection, attention must be given not to damage the waterproofing membrane with hard objects.

Coating Interval time: Depends on the application site but typically surface drying time is about 12 hours. Subsequent coats of PU should be applied when the preceding coat becomes tack free.

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Physical Properties

No.	Item	INDEX
1	Tensile strength, MPa \geq	1.9
2	Elongation at break, %	\geq 500%
3	Tear strength, N/mm \geq	12
4	Heat Shrinkage	-4.0~1.0
5	Low temperature flexibility, °C \leq	-40°C, No cracking
6	Impermeability 0.3MPa 30min	Impermeable
7	Bonding strength with moist surface (Mpa)	\geq 0.6
8	Solid content, % \geq	92
9	Surface drying time, h \leq	6
10	Fully drying time, h \leq	12

Coverage

1.1~1.2kg/m² 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 have a 12-months shelf life.



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