

Silicone Water Repellent

RJ-WP181

Description

RJ-WP181 is a solvent-free silicone waterproof, which can be diluted 5 to 15 times with organic solvents and used as a general surface waterproofing agent. After the surface of the building substrate is treated with RJ-WP181, the contact angle between the water droplet and the substrate can generally reach more than 150° , and it has good water repellency.

Technical Index

Appearance	Colorless hazy liquid
Active Content (%)	100
Density (20°C g/cm ³)	0.90-0.95

Features

- ✧ Good lotus effect, and the contact angle can generally reach more than 150°
 - ✧ Good depth of penetration.
 - ✧ Quick onset of action, good water beading effect achieved once the solvent dries to the surface.
 - ✧ Applicable to a variety of building substrates.
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Application

- ✧ Ultra-high performance concrete boards (UHPC boards);
- ✧ Various porous and permeable building substrates;
- ✧ Highway, airport runway, bridge & tunnel;
- ✧ Cement fiber board, calcium silicate board and other boards.

Use guide

Before surface treatment of the substrate, the surface dust needs to be removed and the substrate needs to be dried. When using RJ-WP181, it should be diluted with an organic solvent (5-15 times). The recommended dilution ratio is 1:10 by mass of WP181 and solvent. The surface treatment of the substrate can be done by brushing, dipping, spraying, etc. It is necessary to ensure that the surface treatment of the substrate is uniform and the penetration absorption is saturated (generally speaking, the substrate can be evenly brushed twice). It is recommended that before specific construction, a small area of the substrate to be treated should be selected for effect testing to determine the appropriate surface treatment plan.

After curing at room temperature until the surface of the substrate is completely dry, a good waterproof effect can be produced. If necessary, high temperature can be used to accelerate the reaction.

The recommended diluting solvents are petroleum solvent oils, such as D60 and D40; alkane or isoalkane solvent oils, such as No. 120 solvent oil, Isopar H, and C6-C10 alkane solvents..

Packing

200L drum or 1000L IBC Totes

Storage

Sealed storage under 5-30°C, Avoid contact with acids and alkali substance.

Shelf life

12 months.

Revision Date: 9/25/2024

Version 1.0