

JISHAN EXPOSED COATING NO.1

- Waterproof and weather-resistant
- Fast curing
- No crack
- Can be applied in harsh weather conditions

PICC

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Product Description

Jishan Exposed Coating No.1 is a single-component waterproof coating manufactured using aliphatic isocyanates and amino compounds as base polymers, along with various additives such as filling accelerators and anti-aging agents. Produced through a special process, the product cures by reacting with moisture in the air to form a novel single-component wet-curing waterproof coating with a three-dimensional silicone-oxygen-silicone structure. As an eco-friendly, odorless, and non-toxic premium waterproof coating, this product exhibits excellent outdoor aging resistance, long color fastness, gloss retention, and resistance to chalking even after long-term exposure.

Features

- Environmentally friendly and solvent-free, with safe and odorless ingredients.
- Excellent water resistance, significant adhesion performance on damp surfaces such as wet substrates and newly poured concrete.
- Nearly 100% solid content, cold application without the need for heating, Achieve the designed thickness of 2.0mm with one coating.
- A wide range of operable temperatures as low as -10°C.
- An outstanding elongation to cover cracks in the substrate. An excellent low-temperature flexibility to remain crack-free at -40°C.
- Excellent impact resistance, chemical corrosion resistance, and aging resistance.
- The product can be applied on various substrates such as concrete, stone, wood, and metal, with excellent compatibility with insulation boards (EPS, XPS), polyurethane coatings, asphalt materials, etc.
- Extremely low water absorption and resistance to water, acids, and alkalis.
- This product can be easily applied by scraping, rolling, or brushing. The cured film leaves no residual reactive groups. Being reflective and heat-insulating, it can reduce energy consumption, thus helping to achieve energy-saving, emission-reducing, and environmentally friendly goals in green building practices.

Precautionst

- Containers with residual content inside should be tightly sealed, and stored in a cool, well-ventilated place, and be kept away from fire.
- This product should be kept dry during transportation, storage, and use, and should never be left uncovered in the open air.
- During application, please take necessary safety measures. Wear a mask and goggles to prevent the material from contacting the operator's body.

Instructions for Use

- This product is a single-component formula. Please stir well before use after opening the container.
- The product cures quickly. Please apply it continuously. It is not recommended for prolonged exposure to prevent skinning.
- The operable temperature ranges from -10°C to 40°C. Application is not recommended during heavy rain, snow, or strong winds.
- For new concrete surfaces, the product can be directly applied once the surface is cleaned of floating ash, dust, and sand. For old concrete surfaces, it is necessary to remove any loose or flaking parts, clean off floating ash, dust, and sand before application. Old filler materials such as aged asphalt, grouting material, or rolled materials must be completely removed before application.
- In case of high viscosity due to low temperatures, the product may be placed at room temperature or warmed up before use.
- This product is a reactive elastomer that can be used in conjunction with Jishan Repair Polyurethane Cover Paint for enhanced resistance to dirt and stains in applications where cleanliness is a priority.

Safety Precautions

- Hazards:** Accidental contact with eyes, skin, or hair during application may cause eye irritation or skin allergic reactions
- Preventive measures:** Keep children and pets away from the application area and store the product out of their reach; avoid inhaling gas, smoke, vapors, or sprays; wear protective gear during use, and wash hands and other contact areas after operation.
- Accident response:** If skin or hair is contaminated, rinse with plenty of soapy water and clean water. If eyes are contaminated, immediately rinse with plenty of clean water and seek medical help. If skin irritation or rash occurs, seek medical attention promptly.
- Safe storage:** Store in a cool, dry place at temperatures between 5°C and 35°C, away from direct sunlight, and keep containers tightly sealed. Store separately from strong acids, alkalis, oxidizers, food, and animal feed. Do not pour diluted paint back into the original package. Use promptly after opening.
- Waste disposal:** Please dispose of discarded paints by following national and local regulations (refer to the Safety Technical Manual before disposal).

Note: The product performance and application data listed above were obtained under standard experimental conditions. However, the actual environments in which the product is used are varying and not controlled by us. If you have any questions, please contact Fujian Jishan Technology Co., Ltd.

Standard

T/CBMF 105-2021

Packaging and Storage

- This product should be packaged and transported in sealed barrels as a general building material. During transportation, precautions should be taken to avoid exposure to sunlight and rain, prevent squeezing and collisions, and ensure the packaging remains intact.
- The package must be stored and transported in an upright position and in a cool, dry place between 5°C and 35°C.
- Shelf life: 12 months

Statement

Please follow the instructions in the user manual for proper construction. We will not be held responsible for any losses resulting from your improper use. For any inquiries, please consult your local dealer or our technical service department.

Performance Parameters / Datasheet

Performance Item	Standard Requirements	Actual Data
Solid Content (%)	≥ 98	99.3
Surface Dry Time (h)	≤ 4	2
Actual Dry Time (h)	≤ 8	6
Elongation at Break (%)	≥ 400	450
Adhesive Strength (MPa)	≥ 0.6	0.9
Low-Temperature Flexibility (°C)	-40°C, No cracks	-40°C, No cracks
Artificial Weathering Aging (Cumulative Radiation Intensity ≥ 5040KJ / (m ² .nm))	Appearance: No blistering, cracking, delamination, tackiness, or pinholes	Appearance: No blistering, cracking, delamination, tackiness, or pinholes
Water Resistance (23°C, 14d)	Appearance: No cracks, delamination, tackiness, blistering, or breakage	Appearance: No cracks, delamination, tackiness, blistering, or breakage
Water Absorption (23°C, 7d)(%)	≤ 4.0	2.2
Combustion Performance(Ignition 15s, within 20s combustion)	No flaming droplets to ignite filter paper	No flaming droplets to ignite filter paper
Volatile Organic Compounds (VOC) (g/L)	≤ 30	21
Benzene Series (mg/kg)	≤ 20	8
Diisocyanates (TDI, HDI, MDI) (g/kg)	≤ 0.1	0.045
Total Lead (mg/kg)	≤ 10	2.5

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