

KD-9052

Waterborne polyurethane varnish (glossy, matte)

Product introduction It is mainly suitable for the treatment of painted floors. It has moderate viscosity and excellent permeability. It can penetrate into the cement floor and stick to it as a whole, providing excellent adhesion for the entire coating and forming a dense protective layer at the same time. Water is the diluent, non-toxic and odorless, safe and environmentally friendly.

Product use

- ◆ KD9052 scope of application:
- ◆ Concrete, asphalt, cement self-leveling ground.

Features and advantages

- ◆ Fast drying time (4-8h), strong penetration, quick construction;
- ◆ Water-based environmental protection and pollution-free;

Authentication Comply with GB/T 22374-2018

Packing A component: 4kg B component: 2kg

Storage condition The shelf life of the material is 24 months when the original packaging bag is sealed, dry, stored in a place without direct sunlight, and the temperature is 5°C-35°C. Avoid freezing.

Performance parameter

Items	technical indicators
Appearance of paint film	Transparent without mechanical impurities
solid content	(Ingredient 1) 47±2%
Adhesion	Not more than level 2
Impact strength	50kg/m ²
flexibility	1mm
hardness	60
drying time	Surface dry 2h/Actual drying 24h
Water resistance (room temperature)	72h The paint film does not bubble or fall off

Construction conditions

Substrate requirements:

The coating surface of architectural coatings must be dry, firm, clean and smooth;

Construction environment: the ground temperature is not lower than 5°C, and the ambient humidity is lower than 85% to ensure good film formation;

Warning

Please strictly abide by the construction time limit parameters!

Depending on the construction method and construction environment, diluent can be added appropriately, but the dilution ratio should be strictly controlled. Excessive diluent is strictly prohibited. The main agent and curing agent must be mixed in the correct proportion. The main agent should be stirred with an electric mixer first, and then slowly added. Curing agent, fully stir evenly.

Surface treatment

The compressive strength of the base layer must be greater than 30N/mm².

Proper base treatment is conducive to obtaining the desired performance.

Substrate surfaces must be firm, clean and free of loose particles, oils, esters, or other impurities. Use industrial cleaners to remove oil, grease, wax, etc., or mechanical cleaning to remove grease. Sandblasting can be used for cement mortar, loose particles, release agents, curing agents and other impurities, and the bonding strength of the base layer after surface treatment should be at least 1.5N/mm² (tested by tensile test method at a speed of 100N/s).

Surface defects such as holes and cracks in the base layer can be repaired with epoxy mortar series to obtain a smooth and flat surface. To prevent walls and columns from being splashed by epoxy products during construction, polyurethane protective panels and protective layers should be used:

Recommended dosage

HD-9052 Waterborne polyurethane dosage: 0.05-0.1KG/m²

Health and safety

For complete health and safety information, see the appropriate Material Safety Data Sheet.

Keep away from children; when not in use, please keep the product container closed: in general, when using chemical products, care should be taken to avoid eyes, mouth, skin and food during use and storage; use in a well-ventilated environment and avoid inhalation ;Use suitable respiratory equipment if necessary: Wear protective glasses and gloves when handling: . No smoking during use and storage: if in eyes, rinse thoroughly with water for at least 15 minutes; if in contact with skin, wash the affected area with soap and water;

Remarks For information and recommendations on the safe handling, storage, and handling of chemicals, users should refer to the latest Material Safety Manual containing physical, biological, toxicological, and other relevant safety data.

Local restrictions

Due to the different specifications of the product performance in different countries, please consult the local product technical information for the description of the specific construction field of the product.
