YHCoat-2060

One-Component Polymer-Modified Waterproofing Coating





DESCRIPTION

YHCoat-2060 is a one-component waterproofing coating formulated with a highly active polymer emulsion as its primary film-forming agent. Enhanced with specialized inorganic components and functional additive, it offers high solid content, excellent water resistance (suitable for long-term water immersion), and superior workability. The cured membrane provides a keyed finish to promote direct tile adhesion with cement-based tile adhesive.

WHERE TO USE

Suitable for new construction and refurbishment projects with waterproof requirements, especially suitable for wet rooms, such as kitchens, bathrooms, pools, and other areas with high moisture exposure.

CHARACTERISTICS AND PACKAGING

Item	Data
Appearance	Viscous liquid
Color	Blue
Density	1.5-1.7 kg/L
Solid Content by Weight	78-81 %
Packing Size	25 kg per plastic pail

ADVANTAGES

- The unique keyed finish enhances the bonding strength with tile system.
- Water-based, safe, environmentally friendly, and low VOC.
- Fast drying: The coating dries quickly and the construction period is short;
- Excellent adhesion performance; Maintains flexibility and performance in cold conditions.
- Excellent long-term water resistance;
- Ready to use after opening the pail.

PROPERTIES

Description	Test Methods	Typical Values
Tensile Strength / MPa	ASTM D412	≥1.7
Elongation at Break / %	ASTM D412	≥85

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Technical Data Sheet (TDS)

Hardness (Shore D)	ASTM D2240	≥35
Pull-off Adhesion to Concrete / MPa	ASTM D7234	≥1.2
Low Temperature Flexure (-10℃)	ASTM D522	No Cracks
Crack Bridging (23℃) / mm	ASTM C836	≈2
Water Penetration Test (5 bar, 72hrs) / mm	BS EN 12390-8	≈0
Water absorption / %	ASTM D471	≈3.5
Thermal conductivity / [W/m·K]	ASTM D5930	≈0.7
VOC g/L	ISO 11890-2	≈0

Note: The above data were tested under standard conditions (temperature 23 °C ± 2 °C, relative humidity 50% ± 10%).

APPLICATION INSTRUCTIONS

Application information

Items	Description
Consumption & Coverage*	≈2.0kg/ m², 12.5 m² / set@1mm dry film
Recommended thickness	1.0mm dry film by 2 coats 1.0 kg/ m² /coat, For areas subject to high water ingress, apply a 3rd coat at 1.0 kg/m²
Ambient air temperature	5 ℃ min / +40℃ max
Relative air humidity	<85%
Substrate temperature	5 °C min. / +40 °C max. ≥ 3 °C above dew point, beware of condensation

** This figure is given for guidance only, as actual quantities used will vary depending on the substrate condition and surface profile on site.*

Application Instructions

- **General Requirements:** The construction temperature should be between 5°C and 35°C. Outdoor construction is prohibited on rainy and snowy days. Indoor construction is not suitable if the substrate is not fully wetted without visible water.
- **Substrate treatment:** The substrate should be flat, solid, clean, free of visible water, floating ash, and oil stains. Perform rounded corner treatment on the inside and outside corners and the pipe penetration.
- **Detailing:** Apply the reinforcing fabric to detailed areas such as internal and external corners, pipe penetrations, and drainage outlets in 2-3 coats. Sandwich reinforcing fabric between the coats to ensure the waterproof coating fully penetrates the fabric without wrinkles.
- **Coating application:** Apply the waterproof coating first to the wall, followed by the floor, in 2-3 coats. Ensure each coat is completely dry before applying the next, and apply each subsequent coat in a direction perpendicular to the previous one.
- **Construction of protective isolation layer:** In humid conditions, the drying speed of the product may slow down, and the drying time should be extended accordingly. Once the waterproof coating is completely dry, conduct a flooding test. After the flooding test, proceed with subsequent construction as per design requirements.

TRANSPORTATION AND STORAGE

- During transportation, anti-freezing measures should be taken to prevent exposure to sunlight, rain, compression, and collision, and to ensure the packaging remains intact and undamaged.

- It should be stored in a cool, ventilated, and dry warehouse, protected from rain and direct sunlight, and kept away from fire sources.
- The storage temperature should be between 5°C and 35°C.
- Under normal storage and transportation conditions, the shelf life is 12 months.

PRECAUTIONS

- The construction temperature should be between 5°C and 35°C, and construction is forbidden on rainy or snowy days.
- Before the coating is fully dried, it should be covered and protected if exposed to rainwater.
- Stir the product evenly before use.
- Products generally do not require the addition of water. If water needs to be added, please contact technical personnel in advance.
- Please follow the instructions provided by Yuhong before construction. To obtain more information, please read the product safety manual before starting work.

HEALTH AND SAFETY

Please read the safety manual carefully, our security experts will be pleased to give you advises about safety, health and environmental issues.

DISCLAIMER

The above information and recommendations which are based on our experience are as for reference, they can't replace the customers' own experimental results. Since our company, our representatives or distributors can't control the transportation, storage, handling and use conditions of the products, the economic disputes and the quality accident caused by improper use can't be attributed to our suggest. In any application, the customer shall be responsible to comply with obligations of third-party intellectual property rights. Without our consent, anyone shall not provide technical information to third parties.

Scan the QR code to view complete installation procedures and product performance.

Learn more about OYH.