



# YHCoat-930

## Easy-to-apply Cementitious Waterproofing Slurry

### Description

YHCoat-930 is a two-component polymer cement waterproof slurry, composed of a liquid made up of polymer emulsion and various additives, mixed with inorganic powder material consisting of cement and various fillers, prepared in a certain proportion. This product is used in concrete and mortar to prevent water penetration and moisture ingress.

### Features & Benefits

- Easy to apply by brush or roller
- Good adhesion
- Long operable time
- Resistance to CO<sub>2</sub> penetration
- Impermeability under hydrostatic pressure
- Non-toxic and environmentally friendly
- Non-corrosive to steel or iron



### Uses

- Interior waterproofing and damp-proofing of concrete, cementitious rendering, brickwork and blockwork
- Bathrooms and kitchens
- Terraces and balconies
- Basements
- Retaining walls
- RC gutters and planter boxes

### Packing and Specifications

| Item                 | Description   |
|----------------------|---|
| Packaging            | 25kg set (5 kg pail and 20 kg bag)  |
| Composition          | Part A: Polymer emulsion and additives<br>Part B: Portland cement, selected aggregates and admixtures |
| Shelf life           | Within 12 months from the date of manufacture   |
| Appearance and color | Part A: White liquid<br>Part B: Grey powder<br>After mixing: Gray slurry                              |

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## Typical Properties and Characteristic

| Description                        | TestMethods          | Values                                    |
|------------------------------------|----------------------|---|
| Pull-Off Strength (To Concrete)    | ASTM D7234-22        | 1.17 Mpa                                  |
| Compressive Strength               | ASTM C109/109M-21    | 17.5 Mpa                                  |
| Flexural Strength                  | ASTM C348-21         | 8.95 Mpa                                  |
| Water Vapor Transmission Rate      | BS EN ISO 12572:2016 | 1.02×10-6 kg/(s·m <sup>2</sup> )]         |
| Liquid Water Permeability          | BS EN 1062-3:2018    | 0.057 kg/m <sup>2</sup> ·h0.5 (Class W3 ) |
| Permeability to Carbon Dioxide     | BS EN 1062-6: 2002   | 0.29 g/(m <sup>2</sup> ·d)                |
| Water Penetration under Pressure   | BS EN 14891:2017 A7  | No water penetration                      |
| Resistance to Water Penetration    | DIN 1048 Pt 5: 1991  | 84 mm                                     |
| Resistance to Hydrostatic Pressure | ASTM D7088-17        | Pass                                      |

## Application Information

|                                  |   |
|----------------------------------|---|
| Mixing ratio                     | Used as slurry: A: B = 1 : 4 (by weight)  |
| Consumption                      | 2-2.2 kg/m <sup>2</sup> for 1mm dry film thickness<br>Note: • YHCoat-930 must be applied in minimum 2 coats.<br>• Over 3 coats may be required in areas of extremely high infiltration. |
| Ambient air temperature          | +5 °C min. / +35 °C max.  |
| Substrate temperature            | +5 °C min. / +35 °C max   |
| Application temperature          | +5 °C min. / +35 °C max   |
| Operable time                    | ~30 minutes (at +30°C). At higher temperatures, the operable time may be reduced.   |
| Minimum Overcoating Waiting Time | Waiting time between coats:<br>+10°C—12hours/+20°C—6hours/+30°C—3hours  |

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## Application Instructions

### Substrate Treatment

Ensure that the substrate is firm, clean, dry and free from contaminants such as dirt, oil, grease, old paint and loose materials.

### Mixing

Slowly add powder composition (B) to liquid composition (A) in a clean container and mix. Use a forced mixer or perform mechanical mixing in a clean bucket with a drill and paddle (maximum speed 500 rpm). Until a homogeneous, lump-free condition is achieved. Stirring time: 3 minutes.

### Application

Before waterproof application, the substrate must be fully wetted to saturation with clear water, but there shall be no visible water. Apply the mixed YHCoat-930 in one direction with a Stiff brush, roller or broom. After the first coat is hardened, apply YHCoat-930 for the second coat in the direction perpendicular to the first application direction by adopting the cross-bonded method.

### Curing Treatment

Protective measures must be taken to avoid rapid drying when applied directly under sunlight and high wind conditions.

### Tool Cleaning

All tools and application equipment shall be cleaned with water immediately after use. Hardened / cured material can only be removed mechanically.

### Transportation & Storage

The product shall be stored in a ventilated place and not exposed to sunlight, rain or fire. Collision shall be avoided during transportation. The storage temperature is from 5°C to 35°C. Under normal transport and storage conditions, the shelf life is at least 12 months.

## Preventive Measures

Outdoor application is prohibited during strong wind or rainy conditions. The addition of water or any other material during batching is strictly prohibited.

Opened but unused liquid or powder shall be sealed and stored. The waterproof film shall be protected from damage during application. When laying tiles on the waterproof layer, it is recommended to use Oriental Yuhong's tile adhesive. This product contains alkaline substances such as cement, which may cause skin allergy. Protective measures shall be taken during use.

## Basis of Product Data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## Ecology, Health and Safety

Users shall refer to the latest Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data for information and advice on safe handling, storage and disposal of chemicals.

## Local Restrictions

The performance of this product may vary from country to country due to specific local regulations. For an exact description of the field of application, please refer to your local Product Data Sheet.

## Legal Notes

This information, especially the recommendations related to the application and final use of Oriental Yuhong's products, is provided based on Oriental Yuhong's current knowledge and experience of the products when stored, handled and applied properly in accordance with Oriental Yuhong's recommendations under normal conditions. In practice, the differences in materials, substrates, and actual site conditions make it impossible to infer any guarantee of merchantability or suitability for a specific application from this information,

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