

Easy-to-apply Cementitious Waterproofing Slurry

YHCoat-930

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 CO₂ 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 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 Part B: Grey powder After mixing: Gray slurry

Easy-to-apply Cementitious Waterproofing Slurry

YHCoat-930

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	$1.02 \times 10^{-6} \text{ kg/(s} \cdot \text{m}^2\text{)]}$
Liquid Water Permeability	BS EN 1062-3:2018	0.057 kg/m ² .h0.5 (Class W3)
Permeability to Carbon Dioxide	BS EN 1062-6: 2002	0.29 g/(m ² .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 ² for 1mm dry film thickness Note: • YHCoat-930 must be applied in minimum 2 coats. • 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: +10°C—12hours/+20°C—6hours/+30°C—3hours

Easy-to-apply Cementitious Waterproofing Slurry

YHCoat-930

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,

Easy-to-apply Cementitious Waterproofing Slurry

YHCoat-930

any written suggestions, or any other advice provided, nor can any liability arise from any legal relationship. The user of the product must test the product's suitability for the intended application and purpose. Oriental Yuhong reserves the right to change the characteristics of its products. Ownership of third parties must be observed. All orders are subject to our current Terms of Sale and Delivery. Users must always refer to the latest issue of local Product Data Sheet for the products concerned, copies of which will be provided upon request. The above disclaimer may need to be tailored to specific local laws and regulations.