

UV-resistant elastic water-based liquid applied membrane

YHCoat-900

Description

YHCoat-900 UV-resistant elastic water-based liquid applied membrane is prepared from special emulsion, high-quality fillers, and functional additives.

Features & Benefits

- High strength and high elasticity
- Abrasion resistance
- UV stability
- Suitable for foot traffic
- Easy to apply
- Water based and non-toxic

Uses

- It is suitable for waterproof treatment of outdoor new and old concrete roofs, terraces, gutters, balconies and other directly exposed parts.
- It is also suitable for the waterproof treatment of color steel roofs.
- Roofs with numerous details such as penetration drains and complex geometry.
- External walls.



Packing and Specifications

Item	Description
Packaging	4kg pail / 20 kg pail
Composition	VAE emulsion
Shelf Life	12 months from date of production
Density	~1.7g/l
Product Color	White / Grey

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Typical Properties and Characteristic

Description	Test Methods	Values
Tensile Strength	ASTM D412	2.86 MPa
Elongation at Break	ASTMD412	734%
Tensile Bond Strength	EN1542	1.30 MPa
UV Exposure (Xenon Arc Lamps) - Exposure for 720 hours	BS ENISO 16474	No visual change was observed

Application Information

Ambient Air Temperature	+5°C min. / +35°C max.
Substrate Temperature	+5 °C min. / +35 °C max.
Substrate Moisture Content	≤ 4%
Waiting Time/Over coating	Minimum 2-3 hours at +30°C
	Maximum ~1 day at +30°
Applied Product Ready for Use	~72 hours at +30°C
Consumption	0.6 kg/m ² /coat

Application Instructions

Surface Preparation

Concrete roof:

Ensure substrates are solid, clean, dry and free from contaminants such as dirt, oil, grease, old paint and loose material.

Color steel roof:

Damaged base must be repaired and the foundation treatment must be carried out with a matching primer.

Environmental requirements:

Do not attempt application if rain is imminent.

Application

Apply using a roller, brush or airless spray. Stir gently until the mix is homogeneous. For the primer coat, dilute YHCoat-900 with 15-20% clean water. Once the primer coat is dry to touch, apply a minimum of 2 undiluted layers of YHCoat-900. Please ensure the previous layer is completely dry before applying the next.

Detail node treatment:

Expansion joints, drainage pipes and other detail nodes must be reinforced, and the reinforced polyester cloth is embedded in the coating in the way of "one cloth and two coatings", so that the waterproof coating can fully saturate the carcass layer, and there shall be no wrinkles and warping.

Cleaning of tools:

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

Transportation & Storage

Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10°C and +30 °C.

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Precautions

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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, 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.