

YHBituprimer-4035

Water-based Bitumen Primer



Product Data Sheet (PDS)

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DESCRIPTION

YHBituprimer-4035 Water-based Bitumen Primer is a quick drying water based low viscosity bitumen primer. It is used as a primer coat on masonry and concrete substrates to improve the adhesion of bitumen based membranes and coatings. YHBituprimer-4035 is low in viscosity, which allows it to penetrate into the concrete pores and improve the adhesion between the membrane and the concrete surface. In addition to that, the primer also acts as a binder and preventing moisture penetration.

WHERE TO USE

YHBituprimer-4035 is used as a primer and sealer coat prior to the application of bitumen based waterproofing membranes and coatings.

CHARACTERISTICS AND PACKAGING

Item	Description
Physical state	Liquid
Color	Black or dark brown
Packaging form	Plastic drum
Packaging Size	18kg per drum

ADVANTAGES

- Compatible with various materials, quick-drying, and high penetration power.
- High adhesion to the substrate.
- Improves the adhesion of bitumen based sheet membranes and coatings.
- Cold applied, does not require heating.
- Water-based product, environmentally friendly, and pollution-free.
- Anti corrosive.
- Conforms to ASTM D41 - Asphalt primer for roofing, damp proofing and waterproofing.

PROPERTIES

Main Performance Indicators of the Product

Test Item	Standard Methods	Datas
Density, g/cm ³	ASTM D 1475	0.99-1.01
Solid content by weight, %	ASTM D 1644	35

Technical Information Issue:

Company name: Beijing Oriental Yuhong Waterproof Technology Co., Ltd
Address: Oriental Yuhong Headquarters, 19 Kechuang 9th Street, Beijing Economic and Technological Development Area, P.R. China
Website: www.yuhong.com.cn
Issue Date: Nov. 2024

NOTE: All values are based on test results determined under laboratory conditions and with product samples taken from original stock. Independent laboratory test values are available upon request.

APPLICATION INSTRUCTIONS

Reference dosage

The theoretical dosage is 0.3kg/m².

Construction method

Spraying application is recommended

Construction process

Substrate treatment → Primer application → bitumen based membrane application → Protection lay.

Key construction process

The application temperature should be between 5°C to 45°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the primer is as follows:

- Surface preparation: The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections, nail head protrusions, structurally unsound and friable concrete shall be removed and repaired with a suit-able Polycrete* concrete repair mortar. The surface must be dry before priming with YHBituprimer-4035;
- Application: Remove any sediments. apply the primer @0.3kg/m² to a clean smooth and dry surface by spraying application that is recommended. Brush/roller can also be used. Allow the primer to dry prior to the application of the membrane. For highly porous surfaces application of a second coat is recommended.

TRANSPORTATION AND STORAGE

The pails and drums must be stored in a covered, dry and shaded area, away from direct sunlight, UV and other sources of heat and protected from extreme temperatures. The shelf life of the product is up to 9 months if stored as per the recommendations. Excessive exposure to sunlight and UV will result in the deterioration of the quality of the product and reduce its shelf life.

PRECAUTIONS

Read the product label and Material Safety Data Sheet (MSDS) before using it.

Users should acquaint themselves with all risks & safety regulations and conform to manufacturer's recommendations, material handling and storage specifications.

- The substrate surface should be free of honeycomb, rough patches, loose materials, dust, or oil stains.
- Keep away from naked flames or direct heat.
- Avoid inhalation of vapors and ensure there is adequate ventilation in the work place. Gloves, protective masks and goggles should be worn during application. If swallowed seek medical attention immediately.

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- It is not recommended to add water to this product, If necessary, consult technical personnel before adding water.

HEALTH AND SAFETY

Please read the product safety instructions carefully. Our safety experts are very happy to give you advice on safety, health and environmental protection issues.

DISCLAIMER

The above information and suggestions are based on our experience and are for reference only. They cannot replace the experiments made by customers themselves. As Dongfang Yuhong Company and its distributors can't control the storage, handling and use conditions of Oriental Yuhong products after delivery, the quality accidents and economic disputes caused by improper use can't be attributed to our suggestions. In any application, the customer shall bear the obligation to abide by the intellectual property rights of third parties. Without our consent, we shall not provide technical information to a third party.

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