



YHTile-800

General purpose cementitious tile adhesive

Description

YHTile-800 is a polymer-modified cement-based tile adhesive comprising cement, sand, polymer, and other additives. The adhesive is designed for indoor bonding of ceramic and mosaic tiles, with a recommended adhesive layer thickness ranging from 3 to 10 mm.

Features & Benefits

- Excellent bonding strength
- Excellent workability
- Highly cost effective
- Low VOC content
- Long working life
- Easy application

Uses



Indoor Applications		
Applicable substrate	Applicable tile	Applicable tile size
Stabilized substrates, such as cement mortar, concrete and brick wall	Ceramic tile with high water absorption ($\geq 6\%$, showing obvious absorption after dripping on the back)	$\leq 600 \times 600\text{mm}$

Packing and Specifications

Item	Description
Packaging	25 kg /bag
Color	Grey
Bulk density	Approx. 1.55-1.65 kg/L
Shelf life	12 months from date of production

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Typical Properties and Characteristic

Description	Test Methods	Values
Tensile Adhesion Strength at 28 days	BS EN 12004-2: 2017	0.6 N/mm ²

Application Information

Application temperature	+ 5° C to + 35° C
Mixing Ratio	5.5 – 6.0 L of water per 25 kg bag
Fresh Mortar Density	1.55 – 1.65 g/cm ³
Layer Thickness	min.3 mm and max. 10 mm.
Open Time	~20 minutes under normal temperature and humidity conditions
Adjustability Time	~20 minutes under normal temperature and humidity conditions
Grouting time	After 24 hours
Loadable time	After 7 days

Application Method

Surface Preparation

Remove loose stones and floating ash on the surface of the substrate by sandblasting or high-pressure water jetting. The porous water-absorbing substrate must be pre-wetted to a saturated surface dry state. The flatness deviation of the substrate shall not be greater than 3 mm per 2 m.

Mixing

First add water into the mixing tank, and then slowly add the powder while stirring. Stir the mixture with an electric mixer until no powder clumps remain. Allow the mixture to stand for 3 – 5 minutes. Before application,

giving it a final stir of 15 – 30 seconds. Ensure that the prepared tile adhesive is used up within 2 hours. No additional water or other ingredients are allowed to be added during the application of fresh tile adhesive.

Application

Apply a thin layer of tile adhesive on the substrate using a trowel, followed by a thick layer. Utilize a proper notched trowel to create full, unbroken ribs in the adhesive layer. The application area must not be more than 1 square meter each time. Next, apply a thin layer of tile adhesive onto the tile using a trowel, and then press and knead the tile onto the non-surface-dry and ribbed adhesive layer. Press the tile firmly into place with a slight twisting motion while the tile adhesive is wet to ensure good bonding. Rubber hammers or vibrators may

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also be used to secure tiles in place. Exercise caution to prevent damage or displacement of adjacent tiles.

In adverse weather conditions (high temperature, windy, etc.) or when the substrate has a high water absorption rate, ceramic tiles should be laid as soon as possible.

Before tiling, check the dryness of the adhesive layer by touching it with fingers. Proceed with tiling if the surface is not dry; if dry, reapply the adhesive. Consider the flatness of the substrate and the roughness of the back of the ceramic tile when determining the tooth depth of the notched trowel.

Equipment Cleaning

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

Treatment and Curing

Ensure proper support for the tiles when the adhesive is set and hardened. Refrain from touching or moving the tiles until the adhesive has dried and reached adequate strength before further work. It is advisable to remove excess adhesive while it is still wet, depending on the type of tile. This can be achieved using a small amount of water and a sponge. Exercise caution to prevent water from entering the adhesive. After being laid, the tiles should be maintained at stable ambient temperature for a minimum of 7 days.

Transportation & Storage

Avoid rain and impact during transportation to safeguard the packaging from damage.

Store the adhesive in a cool, dry warehouse to prevent moisture. Strictly prohibit any contact with water.

The product has a shelf life of 6 months under normal transportation and storage conditions.

Precautions

The ambient temperature for application should range from 5°C to 35°C. Avoid application in rainy, high-temperature, windy, frost, and other adverse weather conditions.

The tiles do not need to be soaked in water when being laid, but the release agent on the back must be cleaned up.

Employ the combined method for application. Maintain a 60° angle between the trowel and the inner side of the substrate when applying. Ensure a minimum 2 mm gap between tiles.

Grouting should only be done after the tile adhesive has completely hardened following tile laying.

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.

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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.