

# YHTile-810

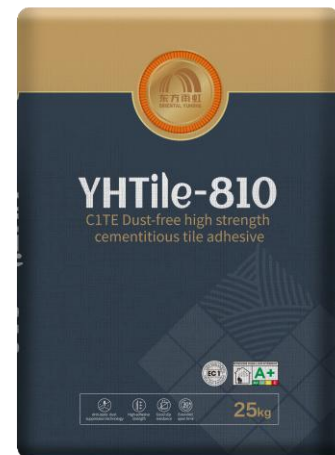
## C1TE Dust-free high performance cementitious tile adhesive

### Description

YHTile-810 is a polymer-reinforced cement-based adhesive with prolonged open time and anti-slip properties. It can be used to pave ceramic tiles from top to bottom on the vertical plane, and adopts anti-static and dust-proof technology to reduce the dust diffusion during the use of tile adhesive. It is suitable for fixing wall and floor tiles, thermal insulation and soundproof tiles, marble terrazzo tiles, mosaics and ceramic tiles. Generally, the pasting thickness is 3~10mm.

### Features & Benefits

- Anti-static dust suppression technology
- Ultra-strong bonding strength
- Anti-slipping during construction
- Extra-long open time
- Easy to apply and easy to knead
- Green and environmentally friendly (low VOC)



### Uses

Internal application scenarios			External application scenarios		
Substrate	Water absorption of tiles	Tile size	Substrate	Water absorption of tiles	Tile size
Stabilized substrates such as cement mortar, concrete and brick wall	Water absorption > 3%	Single tile ≤ 600*600mm	Stabilized substrates such as cement mortar, concrete and brick wall.	Water absorption > 3%	Single tile ≤ 300*300mm
	3% ≥ water absorption > 0.5%	Single tile ≤ 400*800mm		3% ≥ water absorption > 0.2%	Single tile ≤ 100*200mm
	0.5% ≥ water absorption > 0.2%	Single tile ≤ 300*600mm			

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## Packing and Specifications

Item	Description
Packaging	25 kg/ bag; 48 bags per pallet
Color	Gray
Wet Density	1.50 g/cm <sup>3</sup>
Shelf life	12 months from date of production

## Typical Properties and Characteristic

Description	Test Methods	Values
Tensile Adhesion Strength	EN 12004-2	1.1 N/mm <sup>2</sup>
Tensile Adhesion Strength (After Water Immersion)	EN 12004-2	0.9 N/mm <sup>2</sup>
Tensile Adhesion Strength (After Heat Ageing)	EN 12004-2	1.1 N/mm <sup>2</sup>
Tensile Adhesion Strength (After Freeze-Thaw Cycles)	EN 12004-2	1.5 N/mm <sup>2</sup>
Open Time: Tensile Adhesion Strength after 30min	EN 12004-2	0.8 N/mm <sup>2</sup>
Slip	EN 12004-2	0.03mm

## Application Information

Application Temperature	+ 5°C to + 35°C
Working Time	2 hours
Open Time	30 min
Time to Foot Traffic	24 hours
Time to Grouting	24 hours
Time to Full-Service Conditions	7 days
Final Cure	28 days

## Application Method

### Substrate Preparation

The surface temperature of the substrate shall be between 5-35°C during application, and the structure of the substrate shall be stable and flat. The substrate must be solid and free of dusting. Materials that affect the bond strength such as laitance, dust, oil stain, paint, coating, concrete sealing curing agent and release agent on the substrate shall be removed by physical or chemical methods. The surface of the substrate shall

have a certain degree of roughness. For particularly smooth surfaces, such as particularly smooth cast-in-place concrete surfaces, proper physical grinding or interface roughening will contribute to firmer adhesion.

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### Mixing

Add a certain amount of water into the clean mixing barrel first, and then add an appropriate amount of YHTile-810. Stir them evenly with a low-speed electric mixer until they are creamy. After stirring, let them stand for 5min to cure, and then stir slightly before use. The prepared material should be used up within 2h. It is strictly prohibited to add water for use repeatedly.

### Application

Use the straight edge of a sawtooth trowel to scrape the stirred YHTile-810 tile adhesive thinly on the substrate and the pasting surface of the surface material, use the sawtooth edge of the trowel to comb out uniform and straight stripes on the substrate with appropriate amount of slurry, paste the surface material, knead and press it hard, or use tools such as rubber hammer and vibrator to completely stick the surface material.

### Grouting

The grouting work shall be carried out at least 24 hours later, and the ambient temperature and humidity may affect the hardening time of the product.

### Equipment Cleaning

After construction, clean the tool with clean water before the material is cured.

### Transportation & Storage

Avoid crushing and damage to the packaging. It shall be stored in a ventilated and dry place at a temperature below 45°C.

It has a maximum stack of no more than ten layers horizontally. Avoid direct sunlight, rain and high temperature. Avoid contact with acids, alkalies, oil and organic solvents.

### Precautions

Please read the product label and Material Safety Data Sheet (MSDS) before use. Users shall be familiar with all risk and safety terms. Comply with manufacturer's recommendations, material handling and storage specifications. Protect all materials from extreme temperatures. In order to prevent the interruption of work, it is essential to have all the necessary tools and equipment ready on site at the start of work.

### 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.