



YHTile-820

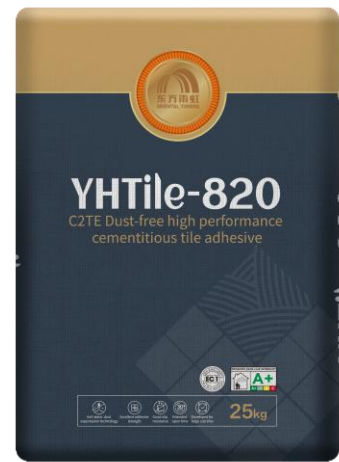
C2TE Dust-free high performance cementitious tile adhesive

Description

YHTile-820 dust-free high performance cementitious tile adhesive takes high-quality cement as inorganic cementing material, refined graded sand as aggregate, and a variety of polymers and functional additives are added. It is produced with advanced dust suppression production technology, which is suitable for the paving and installation of mosaics, vitrified bricks, low water absorbent stones, etc. It can be used directly after mixing with water. 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 $\geq 0.2\%$	$\leq 600*1200\text{mm}$ ceramic slab	Stabilized substrates such as cement mortar, concrete and brick wall.	Water absorption $> 0.2\%$	Single tile $\leq 300*300\text{mm}$
	Water absorption $< 0.2\%$	Single tile $\leq 300*600\text{mm}$		Water absorption $< 0.2\%$	Single tile $\leq 100*200\text{mm}$

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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 ³
Shelf life	12 months from date of production

Typical Properties and Characteristic

Description	TestMethods	Values
Tensile Adhesion Strength	EN 12004-2	1.8 N/mm ²
Tensile Adhesion Strength (After Water Immersion)	EN 12004-2	1.5 N/mm ²
Tensile Adhesion Strength (After Heat Ageing)	EN 12004-2	1.9 N/mm ²
Tensile Adhesion Strength (After Freeze-Thaw Cycles)	EN 12004-2	2.1 N/mm ²
Open Time: Tensile Adhesion Strength after 30min	EN 12004-2	2.2 N/mm ²
Slip	EN 12004-2	0.08 mm

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
Approx.	1.5 kg/m ² per mm
Layer thickness	min.3 mm and max. 10 mm.

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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 structure 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.

Material Preparation

Add a certain amount of water into the clean mixing barrel first, and then add an appropriate amount of YHTile-820. 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-820 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.

Cleaning of Tool

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.

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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.