



# Water-resistant colored tile grout

## YHGrout-500

### Description

YHGrout-500 water-resistant tile grout is made of high-quality cement, filler, polymer rubber powder and various functional additives. It is suitable for indoor parts and floor, including ceramic tiles, mosaics, glass tiles, stone tiles, etc. Narrow joint filling (joint width 1 ~ 4mm).

### Features & Benefits

- Strong adhesion
- Mixing with water, easy to use
- Excellent crack resistance
- Good impermeability
- Mildew-proof and moisture-proof
- Environmentally friendly
- Unaffected by damp environment



### Packing and Specifications

Item	Description
Packaging	2kg*10 bags/ box
Appearance	Powder (Yellow, White, Grey, Brown and Black)
Shelf Life	Store unopened in a cool, dry place with a shelf life of 12 months

### Technical Indicators and Executive Standards

Description		Test Methods	Values
Abrasion Resistance		EN 13888-2	551 mm <sup>3</sup>
Flexural Strength	after dry storage	EN 13888-2	4.3 N/mm <sup>2</sup>
	after freeze thaw		5.0 N/mm <sup>2</sup>
Compressive Strength	after dry storage	EN 13888-2	16.4 N/mm <sup>2</sup>
	after freeze thaw		14.4 N/mm <sup>2</sup>
Shrinkage		EN 13888-2	1.2 mm/m
Water Absorption	after 30 min.	EN 13888-2	1.6 g
	after 240 min.		4.4 g
Water Absorption	50%RH to Wet	ANSI A118.6	17.1%
	Wet to Dry		18.8%
Tensile Adhesion Strength (after 28 days)		EN 12004-2	1.3 N/mm <sup>2</sup>

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### Technical Parameters for Construction

Ambient Air Temperature	+5℃min. / +35℃ max.
Relative Air Humidity	10% RH min. / 85% RH max.
Substrate Temperature	+5℃ min./+60℃ max. Minimum 3℃ above dew point
Operable time	1h

### Construction Method

#### Construction Preparation and Tools

Tools required for the construction of tile grout mainly include: electric mixer, mixing barrel, measuring cup, putty knife, rubber trowel or caulking trowel, sponge, etc.

#### Preparation

Clean up the remaining paving materials in the brick joints, and test the absorption of the brick surface. If necessary, surface protection measures shall be taken to avoid polluting or scratching the glaze. If the tile is glazed and its surface is very flat without unevenness, it is recommended to use the batch scraping method. If the brick surface is uneven or the surface is absorbent, the grouting method shall be used for construction.

#### Preparation of Grout

Recommended water addition is about 34%-38%. Add water to the mixing barrel first, then add grout powder, mix until it is uniform without powder lumps, place for 3-5 minutes, and mix again for 15-30 seconds before use. The mixed grout must be used up within 1 hour.

#### Caulking

When the batch scraping method is adopted for construction, it is essential to apply the grout on

the surface of ceramic tiles by a rubber trowel or soft plastic trowel so that the brick joints are filled with grout, and then the excess slurry on the surface shall be scraped off. After the grout in the brick joints becomes dry, the surface of ceramic tiles shall be cleaned by wrung wet sponge in a circular manner, and cleaning shall be carried out again after 24 hours.

### Transportation and Storage

Avoid rain and crash during transportation to avoid damage to the packaging;

The product shall be stored in a cool and dry warehouse to prevent moisture. Direct sunlight and contact with water are strictly prohibited; Under normal transportation and storage conditions, the product has a shelf life of 12 months.

### Safety Codes

Please read the product label and Material Safety Data Sheet (MSDS) before use. Users shall be familiar with all risk and safety terms.

This product contains cement, which is irritating to eyes and skin, so please wear necessary protective tools during construction. If it is splashed into the eyes, rinse with clean water and seek medical attention promptly.

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### **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.