

High strength structural adhesive

YHBond-125

Description

YHBond-125 is a one-component 100% neutral curing silicone sealant. Featuring high strength, high elongation, and excellent bonding performance, it can firmly adhere to most building materials without prime coating.

Features & Benefits

- Single component and simple application
- Excellent bonding performance for most substrates
- Outstanding weather resistance and durability
- Sealing and waterproofing



Uses

- It is suitable for various substrates such as glass (excluding mirrors), metal (excluding copper), wood, tile, and concrete.
- The product can be used indoors and outdoors.



Packing and Specifications

Item	Description
Composition	Neutral curing silicone
Colors	White, black, gray, transparent
Packaging	300 ml Cartridge, 24 per box 590 ml sausage, 20 per box

High strength structural adhesive

Typical Properties and Characteristics

Description	Test Methods	Values
Slump Vertical position	ASTM D2202	0mm
Slump Horizontal position	ASTMD2202	0mm
Effects of Heat Ageing	ASTM C1246	Weight Loss: < 1% Observation: No Cracking No Chalking
Tensile Adhesion	ASTM C1135	Average Ultimate Tensile Stress: 1.26 MPa Average Ultimate Tensile Elongation: 243 %

Application Information

Item	Description
Application temperature	-20°C to +50°C
Tack free time	≤3 hours @+23°C/50% RH
Temperature resistance	-40°C to +150°C
Frost resistance during transportation	Up to - 15°C

Application Method

Substrate preparation

Ensure substrate surfaces are clean and free of dirt, oil stains, and other loose or contaminated materials.

Lay masking tapes at joint edges to ensure cleanliness.

Application

Cut the nozzle to a suitable diameter at an angle of approximately 45° to 60°.

Squeeze out one bead of sealant with a glue gun.

Squeeze the sealant to make it in full contact with both sides of the joint and avoid any air entrainment.

Smooth the sealant with a finishing tool to obtain a smooth surface.

Remove masking tapes immediately after smoothing.

Application tips:

Please conduct compatibility and adhesion tests before use.

Transportation & Storage

This product is a non-flammable and explosive material and can be transported as general cargo. During transportation, it is necessary to prevent rain, sun exposure, and freezing, avoid squeezing and collision, and keep the packaging intact and undamaged.

Store in a cool and dry place below 27°C, and unopened products have a shelf life of 12 months.

High strength structural adhesive

Precautions

Not recommended for the following applications:

- As sealant for structural glass without prior review by a qualified application engineer.
- On building materials prone to leaching oils, plasticizers, or solvents, e.g., impregnated wood, oil-based filler, green or partially vulcanized rubber gaskets or tapes, asphalt.
- Impregnated board, felt, or sheet. In a completely enclosed space. On a frosted or damp surface.
- In applications involving continuous immersion in water or below grade.
- On surfaces in direct contact with food or other food-grade applications.

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.