

YHSil-103 Ace

Premium acetoxy silicone sealant

Description

YHSil-103 Ace is a one-component, acid-curing and easy-to-apply waterproofing sealant for buildings. It is suitable for bonding and sealing various glass works, cabinets, display cases, advertising boards, and signboards. It features fast curing, high elasticity, high bonding strength, and high weather resistance and can firmly adhere to most building materials without prime coating.



Features & Benefits

- $\pm 20\%$ movement capability
- Multi-purpose sealant
- Suitable for both indoor and outdoor applications
- Non-toxic after curing



Uses

- Bonding and sealing various glass works, such as assembly of large sheet glass, assembling and sealing glass daylighting roofs, and glass fish tanks.
- Bonding and sealing glass cabinets, display cases, advertising boards, signboards, etc.

Packing and Specifications

Item	Description
Composition	Acetoxy Silicone
Appearance	White, Clear
Packaging	300 ml Cartridge, 24 per box

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Typical Properties and Characteristics

Description	Test Methods	Values
Density	ISO 1183-1	1.026 g/cm3
Tensile strength	ASTM D412	1.47 MPa
Elongation	ASTM D412	476%
Movement Capability± 20 %	ASTM C920	/
Shore A hardness	ISO 868	25HA
100% modulus	DIN 53504 S1	0.3Mpa

Application Information

Item	Description
Application temperature	+5°C to +40°C
Tack free time	10-20 minutes @+23°C/50% RH
Curing time	2 mm/24 hours @+23°C/50% RH
Temperature resistance	-40°C to +120°C
Frost resistance during transportation	Up to - 15°C
Materials consumption	300 ml cartridge yields 3.72 lineal meters of 12.7 mm×6.35 mm Bead

Application Method

adhesion tests before use.

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.

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;

Application tips

Please conduct compatibility and

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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.