



Technical Data Sheet

Antas-191 Translucent Silicone Weatherproof Sealant

Neutral cure, 25LM, Weatherproof, Alkoxy and Oxime

Description

Antas-191 is a one-component, neutral curing, translucent silicone sealant widely used on various glass glazing and assemblies with good elasticity and weatherability. Antas-191 has alkoxy and oxime types to meet customer's various requirements.

Features

- Neutral curing, no pollution or corrosion on metal, laminated and coated glass.
- Excellent adhesion to most building materials such as glass, aluminum, wood, steel, marble, etc.
- Low modulus with $\pm 25\%$ joint movement capacity.
- Excellent weatherproof and anti-aging properties,
- Good resistance to ozone, UV radiation, and water.
- Wide range of temperature tolerance: the cured silicone rubber keeps good elasticity and adhesion from -50°C to 150°C .
- Good compatibility with other neutral silicone sealants.

Applications

- Waterproof sealing and glazing for glass installation and assemblies such as point-supported glass curtain wall, full view glass curtain wall, glass skylights.
- Alkoxy type can be used on coated glass, laminated glass and all kinds of mirrors.
- Oxime type can be used on coated glass, laminated glass and many kinds of mirrors except bronze ones.
- For other applications, please consult with us.

Typical Properties

Test Method	Property	Unit	Result
Before curing			
ASTM C 639	Flow, Vertical	mm	0
	Flow, Horizontal	mm	0
ASTM C 1183	Extrudability	ml/min	43.2
After 21 days of curing at 23°C and 50% RH			
ASTM C 1246	Heat aging, weight loss	%	0.8
	Heat aging, cracking		None
	Heat aging, chalking		None
ASTM C 719	Joint movement		$\pm 25\%$

ASTM C 661	Hardness	Shore A	23
Approvals	<ul style="list-style-type: none"> • ASTM C920 Class 25 EN • ISO 11600 20 LM • SGBP Green Certification in Singapore • SIRIM Certification in Malaysia 		
Colors	Translucent		
Packaging	300mL cartridge, 24pcs/carton 590mL sausage, 20pcs/carton 210kg/drum		
Substrate preparation	The substrate must be clean, dry, sound and homogeneous, free from oils, grease, water, dust, frost, old sealant or other foreign matters. For more detailed advice and instructions please contact us.		
Curing and Maintenance	Curing speed: 2-2.5mm/24h under a 23°C and 50% humidity environment. It takes 21 days to fully cure: to fully achieve adhesion performance and mechanical properties. During the initial stage of sealant application, it is necessary to maintain the fixation and flatness of the area to be sealed. Generally, no repairs is required. If the sealant seam is damaged, the damaged part can be repaired by removing accumulated dirt with a solvent and filling the damaged parts with a product of the same color and quality.		
Limitations	<ul style="list-style-type: none"> • On building materials that bleed oil, plasticizer or solvent, on materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets, or tapes or bituminous below-grade waterproof and asphalt-impregnated fiberboard. • In totally confined spaces, in case of difficulty for curing. • When substrate surface temperature is over 45 °C or below 5 °C. • On frosty or wet surfaces, or continuously immersed in water, or exposed to year-round humidity. • On the surface contact with food directly. • For continuous high pressure and temperature. • When the cured sealant surface is intended to be painted. • For structural glazing 		
Storage and Transportation	<ul style="list-style-type: none"> • 12 months from the manufacturing date under 27°C in the original unopened package. • Keep in a shady and well-ventilated space. • Keep away from children. • This product belongs to non-hazardous materials and can be transported through normal routes 		
User Notice	The information published in this article is what we believe to be reliable and true.		

However, due to actual circumstances (mainly referring to working conditions, usage methods, and bonding materials) vary widely, we cannot guarantee the applicability and correctness of this product for certain purposes and usages. Users should understand the product characteristics in detail before choosing this product. Complying with relevant construction specifications and operating instructions is very necessary to ensure the use effect. Please get in touch with our technical service personnel when necessary.