

antas-193-25 Silicone Weatherproof Sealant



Base
Neutral Silicone

Color
Black
White
Grey
Customized

Packaging
300mL/cartridge
500mL/sausage
590mL/sausage

Net weight
420g/cartridge
700g/826g
sausage

Shelf life
9 months

Storage
Store in the cool
and dry place,
under 27°C

Description antas-193-25 is a one component, neutral curing, silicone sealant with properties of high weather resistance, wide temperature tolerance, high movement capacity. It is used in weatherproof sealing of all types of glass and metal curtain walls, roofs and gutters.

- Features**
- Easy to use with good tooling and non-sagging properties at 5 to 45°C
 - No corrosion or staining to metal, stone, ceramic tiles or most common building materials
 - Movement capacity of ±35% for effective sealing in curtain wall or roofing applications
 - Excellent weather durability, resistance to UV and hydrolysis.
 - Wide range of temperature tolerance, with good elasticity within -50 to 150°C

Properties tested	Density	1.4 g/cm ³
as	Sag	0
EN ISO 11600:2003	Tack free time	0.7h
ASTM C 920	Elastic recovery	92%
GB/T 14683-2007	Tensile modulus	1.32MPa
JC/T 882-2001	Joint movement	+/- 50%
GB/T 22083-2008	Elongation at break	461%
	Tensile adhesion strength	At 25% elongation 0.30Mpa At 50% elongation 0.43MPa
	Loss of Mass	3.6%

- Applications**
- Bonding joints with high performance of weatherability for curtain wall.
 - Sealing the gap of the construction wall.
 - Other bonding and waterproofing for general purpose.

- Limitations** Antas-193-25 should not be applied:
- For structural bonding.
 - On the surface of substrate that bleeds oil, plasticizer or solvent and so on (such as impregnated wood).
 - In totally confined spaces
 - When substrate surface temperature beyond 40° C or below 5° C.
 - In continuous water immersion or on the surface with fog, or wet surface, or in continuous wet place
 - On paint surface



GUANGZHOU JOINTAS CHEMICAL CO., LTD

Technical Data Sheet

Antas-193-25

Silicone Weatherproof Sealant

SGS

SGS 认证



ISO 14001

CE

No. EC 2282 J Q131194 G/C2810



ISO 质量管理体系认证



中国环境认证



OHSAS 18001

**Antas-193-25
Silicone
Weatherproof
Sealant**

Primer	Primer is not usually required when using antas-193-25. However, sealant adhesion should always be tested in advance to determine the need of a primer or not. If required, the primer should be applied into a thin film to the joint surface by using a clean lint-free cloth and allowed to dry before sealant application
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Curing and maintenance	antas-193-25 begins curing when it contacts with the moisture in air. It generally cures 2mm/day, and takes 21 days for fully-cure. In the beginning of using the sealant, please remain the sealant places fixed and flat. Solvent can be used to clean the fractured sealants and then fill up with the new sealants with same color and quality.
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Safety	It is nontoxic after entirely cured. Avoid direct contact with eyes when operating. If happened, rinse opened eye under running water for several minutes. During the curing process, sealant will release a small amount of organic molecules. Construction should ensure good ventilation. If necessary, take protective measures. Please keep children out of reach.
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Tensile Test of antas-193-25 Weatherproofing Silicone Sealant

(23°C)

No.2018092609

Batch number: 193-25 BLACK-180802J7 590mL

Materials: 1-2 Aluminum + Aluminum, 3-4 Glass + Glass

Speed: 20mm/min

unit	Thickness mm	Width mm	Length mm	Tensile strength at break MPa	Tensile strength at 25% elongation MPa	Tensile strength at 60% elongation MPa	Tensile strength at 100% elongation MPa	Maximum elongation %	Elongation at break %
Sample 1	49.02	12.59	12.00	1.37	0.40	0.61	0.75	405	462
Sample 2	49.16	11.92	12.00	1.28	0.40	0.60	0.74	372	505
Sample 3	48.37	11.95	12.00	1.28	0.41	0.62	0.76	364	460
Sample 4	48.41	12.61	12.00	1.36	0.41	0.62	0.76	390	416
Average	48.74	12.27	12.00	1.32	0.41	0.61	0.75	383	461
Standard deviation	0.35	0.33	0.00	0.04	0.00	0.01	0.01	16	31
Variable coefficient	0.73	2.71	0.00	3.22	1.23	1.35	1.10	4	7

