



Technical Data Sheet

Antas-172 Neutral Silicone Sealant

One-part, 25HM, Silicone Sealant.

Description

antas-172 is a one-part, neutral-cure architecture grade silicone sealant. It has good extrudability and durability and can be used for windows and doors, interior and exterior wall caulking sealing and other general sealings. It has good flexibility and adhesion to most of building materials.

Features

- One-component, easy to use, with good extrudability and thixotropy in the temperature range of 5 °C to 45°C.
- Neutral cure, no pollution and corrosion on metal, coated glass, concrete and other building materials.
- Excellent resistance to weather, UV, ozone and water.
- Excellent resistance to high and low temperature, maintain good flexibility at a range of -50°C ~ 150°C after curing.

Applications

- Window glazing and installation.
- Interior and exterior wall sealing.
- Interior general sealing.

Typical Properties

Test Method	Property	Unit	Result
ASTM C 639	Flow	mm	0
ASTM C 1183	Extrudability	ml/min	543
	Density	g/cm ³	1.53
ASTM C 679	Tack-free time	min	40
	Elastic recovery rate	%	89
ASTM D 412	Tensile strength at 100% Elongation (23°C)	MPa	0.62
ASTM D 412	Tensile strength at break (23°C)	MPa	1.36
ASTM D 412	Elongation at break	%	613
	Loss of mass	%	4
ASTM C 719	Joint movement		±25%
ASTM D 2240	Hardness	Shore A	46

- Approvals**
- ASTM C 920 class 25HM
 - EN 15651-2 EXT-INT 20HM CC
 - SGBC Green Certification
 - SIRIM Certification in Malaysia
- Colors** Black, White, Grey, Clear, Customized with RAL Color Code
- Packaging** 300mL cartridge, 24pcs/carton
500mL sausage, 20pcs/carton
- Substrate preparation** The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles.
- For more detailed advice and instructions please contact us.
- Limitations**
- On building materials that bleed oil, plasticized or solvent, to 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.
 - When substrate surface temperature is over 45 °C or below -5 °C during installation.
 - On wet surface or continuously immersed in water.
 - On the surface contacted with food directly.
 - For continual high pressure and temperature.
 - When the sealant is intended to be painted.
 - For structural glazing.
- Storage**
- 12 months from the manufacturing date under 30°C in the original unopened package.
 - Keep in a shady and well-ventilated space.
 - Keep away from children.