

antas-175 Mildew Resistant Silicone Sealant



antas-175

Package:

300mL cartridge

Color:

White

Black

grey

Shelf life:

9 months from the
manufacturing date under
27°C

Standard:

JC/T 885-2016

antas-175 Silicone Anti-Mildew Sealant is a one-component neutral curing silicone sealant with outstanding anti-mildew that reaches to zero level of GB1741. It is particularly suitable for sealing joints in easy mildew-growing places such as kitchen room, sanitary room and bathroom. It cures by the moisture of the air and forms to be elastic silicone rubber.

Features:

1. Outstanding anti-mildew property;
2. Good extrusion and thixotropy between 4°C~40°C. Easy to use;
3. Neutral curing, non-corrosive to metal, coated glass, concrete, marble, granite etc.;
4. Release low-molecular-weight alcohol and no unpleasant odor during cure.
5. Excellent resistance to weather, UV, ozone, water;
6. Excellent resistance to low and high temperature change. No fragility, rigidification or crack at -30°C, and no softening, degradation at 90°C when cured. It always keeps good elasticity;
7. Excellent adhesion to most common building materials;
8. Good compatibility with other neutral silicone sealants.

Applications:

1. Waterproof anti-mildew sealing and jointing in kitchen room, sanitary room and bathroom;
2. Perimeter glazing for windows and doors;
3. Non-structural sealing and jointing for glass, marble and metal plate curtain wall;
4. Many other industrial uses.

Priming:

Priming is not usually required when using Antas-175. However, sealant adhesion should always be tested to determine the need for a primer. If required, primer should be applied in a thin film to the joint surface using a clean lint-free cloth and allowed to dry before sealant application.

Technical service

Adhesion test, compatibility test and stain test are available before sealant application.

Limitation:

1. In areas where abrasion and physical abuse are encountered.
2. In totally confined spaces as the sealant requires atmospheric moisture for cure.
3. On frost-laden or damp surfaces
4. On building materials that bleed oils, plasticizers or solvents – materials such as impregnated wood, oil-based caulks, green or partially vulcanized rubber gaskets or tapes.
5. On substrates made of polypropylene, polyethylene, polycarbonate and polytetrafluoroethylene.
6. Where movement capability greater than $\pm 12.5\%$ is required.
7. If the sealant is intended to be painted.
8. On surfaces in direct contact with food.
9. For use underwater or in other applications where the product will be in continuous contact with water.

Transport and storage:

This product is flammable but not explosive, and can be delivered by normal means of

transportation.

The products must be stored under 27°C, in the cool and dry place.

Curing and maintenance:

Antas-175 begins curing when it contacts with moisture in the air. The surface dry time is about 40minutes. It generally takes 21 days for fully-cure. In the beginning of using the sealant, please remain fixed and flat in the sealant places. Maintenance, we can repair surface with the solvent to clean, and then marked with the new sealant of the same color and quality.

Safety:

It is nontoxic after entirely cured. Avoid contacting eyes when operating. If happened, rinse opened eye under running water for several minutes. During the curing process, sealant will release a small number of organic molecules. Construction should ensure good ventilation. If necessary, take protective measures. Please keep children out of reach.

Technical parameters				
No.	Test items		JC/T 885-2016 index	Measured value
1	Sagging	Vertical, mm	≤ 3	0
		Horizontal	No deformation	No deformation
2	Tack free time, h		≤ 3	2
3	Extrudability, mL/min		≥ 80	659
4	Elastic recovery rate, %		≥ 60	95
5	Tensile Modulus (23°C), MPa		>0.4	0.7
6	Adhesion at constant load, %		No destruction	No destruction
7	Adhesion at constant load after hot press and cold drawn, %		No destruction	No destruction
8	Adhesion at constant load after water immersion, %		No destruction	No destruction
9	Mass loss rate, %		≤ 10.0	2.7
10	Anti-mildew level		Level 0 or Level 1	Level 0