



ANTIA POLYURETHANE SEALANT MULTI PURPOSE

Technical Data Sheet

Date of issue: 10/03/2017

Revision date: 30/06/2017

Version: 0.1

TDS No.: TDS.09.39.03

1. Product Description

Product description	: ANTIA PU SEALANT MULTI PURPOSE is one-part polyurethane gun grade dual purpose adhesive and sealing compound with permanent elasticity. Once extruded, it cures by reaction to the atmospheric moisture to form a high performance and fast curing adhesive sealant.
Use of the substance/mixture	: Adhesives, sealants
Recommended use	: Industrial use Consumer use Professional uses

2. Characteristics

Characteristics	: Fast Cure Over-paintable Can be easily smoothed and levelled out Non-corrosive Mould resistance Extremely versatile product with a good adhesion on many surfaces Good weathering and water resistance Good UV Resistance
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3. Application

- ANTIA PU Sealant Multi-Purpose is a powerful and versatile adhesive sealant for all jobs involving sealing & bonding (for a wide variety of materials including all cement based materials, brick, ceramics, glass, metals, wood, enamelled substrates, polyester, acrylic resin, plastics): wood, metal or plastic window and door frames, Facades including Curtain walls, roofing, gaskets and coverings, flexible draught proofing, fixing of lightweight construction materials, containers, tanks and silos

4. Application Instructions

- Application temperature is between +5 °C to +40 °C.
- Make sure the surface to be applied is dry and clean, free of dust and grease
- Stick both sides of surface with tapes
- Cut the cartridge tip and place it in the gun
- Cut the cannula tip and insert into the cartridge
- Apply the sealant and remove tapes
- Protect against water for 24 hours after application
- Joint width and depth ratio should be about 2:1

5. Technical Specifications (@ 23 °C 50% RH)

Appearance	: Paste.
Odour	: characteristic
Curing System	: Polyurethane
Skin Forming Time	: 45 - 60 minutes
Curing Rate	: 2 - 2.5 mm/day
Ultimate Elongation (DIN 53504)	: > 400 %
Elastic Modules at 100% (DIN 53504)	: 0.9 mPa
Tensile Strength (DIN 53504)	: 1.9 N/mm ²
Hardness Shore A	: 40 - 45
Density	: 1.33 g/cm ³
Curing Mechanism	: Moisture

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Viscosity	: 60000 - 120000 cP
Thermal Resistance	: -40 - 180 °C
Movement Capability	: 15 %
Application Temperature	: 5 - 40 °C

6. Packaging

Colour : White / Black / Brown / Grey.

Cartridge 280 ml	Package 12 pcs/ctn
	Package 25 pcs/ctn
Cartridge 310 ml	Package 12 pcs/ctn
	Package 25 pcs/ctn
Sausage 600 ml	Package 20 pcs/ctn

7. Shelf Life and Storage

Storage conditions	: Store locked up. Store in a well-ventilated place. Keep cool.
Storage temperature	: 5 - 35 °C

Cartridge 280 ml	12 months (After production date if stored at room temperature.)
Cartridge 310 ml	12 months (After production date if stored at room temperature.)
Sausage 600 ml	12 months (After production date if stored at room temperature.)

8. Health and Safety

Adverse physicochemical, human health and environmental effects	: Suspected of causing cancer, May cause an allergic skin reaction, May cause allergy or asthma symptoms or breathing difficulties if inhaled, Causes skin irritation, Harmful to aquatic life with long lasting effects.
First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Symptoms/effects after inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Irritation. Repeated exposure may cause skin dryness or cracking.
Other medical advice or treatment	: Treat symptomatically.
Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: [In case of inadequate ventilation] wear respiratory protection.

9. Remarks

Remarks : For further information, please refer to the Safety Data Sheet

10. Standards and Certificates

Standards and Certificates : EN 15651-1

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product