ANTIA AQUARIUM SILICONE

Technical Data Sheet

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1. Product Description

Product description	:	ANTIA AQUARIUM SILICONE is one component silicone sealant with excellent mechanical properties and primer less adhesion to most non-porous siliceous material. It cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.
Use of the substance/mixture	:	Adhesives, sealants
Recommended use	:	Industrial use Professional uses Consumer use

2. Characteristics

Characteristics	:	High curing rate for construction of aquariums and industrial applications
		Non-sag
		No Yellowing
		Special high-viscosity paste
		Easy gunnability
		Quickly becomes tack-free
		Low shrinkage during vulcanization
		Good tooling properties
		Good adhesion specially to glass and aluminium
		Flexible at low (- 40ºC) and high temperatures. (+180ºC)

3. Application

- Sealing of joints exposed to high mechanical loads
- Sealing of joints which need to quickly build up mechanical strength
- Suitable for the construction of Industrial and Home aquariums which meet the requirements of DIN 32622
- Suitable for use in glazing
- Suitable for bonding and sealing glass and aluminium materials

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
- Cut the cartridge tip and place it in the gun
- Apply the silicone over the surface in strip form
- The bond thickness must be at least 1 mm
- Clean any silicone residue simply with soapy water
- During curing the temperature should be between +5ºC and +40ºC

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

Appearance	:	Paste.
Odour	:	characteristic
Extrusion Rate	:	250 ml/min
Skin Forming Time	:	20 minutes

Curing Rate	:	3 mm/day
Ultimate Elongation (DIN 53504)	:	250 %
Tensile Strength (DIN 53504)	:	0.6 N/mm^2
Hardness Shore A	:	20
Density	:	1.03 g/cm^3
Combined Tension & Shear Resistance:	:	1.6 N/mm^2
Thermal Resistance	:	-40 - 180 °C
Modulus at 100% Elongation (DIN 53504)	:	0.35 N/mm^2
Tear Strength (ISO 34-1)	:	4.2 N/mm
Application Temperature	:	5 - 40 °C

6. Packaging

Colour : Transparent / Black

Cartridge 280 ml	Package 24 pcs/ctn
Cartridge 310 ml	Package 24 pcs/ctn

7. Shelf Life and Storage

Storage conditions : Protect from moisture. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep cool.

Storage temperature : 0 - 35 °C

Cartridge 280 ml	18 months (after production date if stored at room temperature)
Cartridge 310 ml	18 months (after production date if stored at room temperature)

8. Health and Safety

Adverse physicochemical, human health and environmental effects	:	To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice
First-aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	:	Wash skin with plenty of water.
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.
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 insufficient ventilation, wear suitable respiratory equipment

9. Remarks

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

10. Standards and Certificates

Standards and Certificates : EN 15651-2

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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