



# Building and Facade SILICONE

## Technical Data Sheet

Date of issue: 09/03/2017

Revision date: 30/06/2017

Version: 0.1

TDS No.: TDS.09.30

### 1. Product Description

Product description	: ANTIA Building and Facade Silicone is neutral, one component % 100 silicone. It is used in building construction, inner and outer profiles with vast scope of applications. This Silicone is Especially designed for Sealing glass Facades.
Use of the substance/mixture	: Adhesives, sealants
Recommended use	: Industrial use Professional uses Consumer use

### 2. Characteristics

Characteristics	: Solvent-free UV Resistant Non-yellowing Flexible No shrinkage Colourfast Unpaintable Mold retardant Non-sag Non-tacky surface Easy gunnability High end DIY quality Low shrinkage Low odour Excellent appearance Good tooling properties Non-corrosive to metals
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### 3. Application

- Exhibiting good primerless adhesion to most material used for sanitary application, e.g. glass, tiles, ceramics, enamel, glazed tiles and clinker; metals e.g. aluminium, steel, zinc or copper; impregnated, varnished or painted wood, concrete, brick and many plastics
- Using as a filler and sealer on door and window installation, on building facades, in kitchen and bathrooms
- Suitable for alkaline substrates such as concrete, mortar, fibrous cement

### 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/sausage tip and place it in the gun
- Clean any silicone residue simply with soapy water
- Joint width and depth ratio should be about 2:1

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

Appearance	: Paste.
Odour	: characteristic

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Curing System	: Alkoxy-Neutral
Extrusion Rate	: 200 ml/min
Skin Forming Time	: 15 - 18 minutes
Curing Rate	: 3 mm/day
Ultimate Elongation (DIN 53504)	: 300 %
Tensile Strength (DIN 53504)	: 0.7 N/mm <sup>2</sup>
Hardness Shore A	: 24
Density	: 1.02 g/cm <sup>3</sup> @23°C
Thermal Resistance (long time)	: -40 - 200 °C
Modulus at 100% Elongation (DIN 53504)	: 0.35 N/mm <sup>2</sup>
Tear Strength (ISO 34-1)	: 4.6 N/mm
Movement Capability	: 25 %
Application Temperature	: 5 - 40 °C

## 6. Packaging

**Colour** : Transparent / White / Black.

Cartridge 280 ml	Package 24 pcs/ctn
Cartridge 310 ml	Package 24 pcs/ctn
Sausage 600 ml	Package 20 pcs/ctn

## 7. Shelf Life and Storage

Storage conditions : 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)
Sausage 600 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

**SOMA KİMYA SANAYİ VE TİCARET A.Ş.**

Hadımköy Mah. Alparslan Sok. No.10 Amavutköy, İstanbul – Türkiye T +90 212 771 1552 E [info@somakimya.com](mailto:info@somakimya.com) W [www.somakimya.com](http://www.somakimya.com) / [www.Antia.com.tr](http://www.Antia.com.tr)



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### 10. Standards and Certificates

Standards and Certificates : EN 15651-1  
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*