



Sealants and Adhesives

# 615 AK

## Technical Data Sheet

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### Product Description

SILTECH 615 AK is a high-performance, one-component alkoxy silicone sealant designed for a wide range of applications. It cures at room temperature upon exposure to atmospheric moisture, forming a durable, flexible elastomer. This sealant offers excellent adhesion to a variety of substrates, including glass, metals, ceramics, and most plastics, without the need for a primer. Its superior weather resistance, UV stability, and long-lasting performance make it ideal for both indoor and outdoor use.

### Typical Properties

SILTECH 615 AK is a non-sagging, low odour, neutral curing silicone sealant, with excellent temperature (-50°C to +150°C), UV and moisture resistances. The cured product demonstrates impressive tensile and compressive stress resistance. SILTECH 615 AK will adhere to a wide range of substrates.

Properties	Unit	Value
Colours	Visual	White, Black, Grey
Hardness	Shore A	20 – 60
Skinning Time	Minutes	25
Curing Time	mm/Day	2
Movement Capability	%	12.5
Elongation at break	%	430
Tensile Strength	mPa	1.23
Modulus @ 100%	mPa	>0.4
Temperature Resistance	°C	-50 to 150
Application Temperature	°C	+5 to 50
Density	g/cm <sup>3</sup>	1.44

\*Values listed are indicative and should not be used as specifications

### Limitations

- Not suitable for use as a structural adhesive for curtain walls.
- Not recommended for airtight applications, as the sealant requires exposure to atmospheric moisture to cure.
- Should not be applied on frosty or wet surfaces.
- Not suitable for use in continuously damp or waterlogged environments.
- Avoid use on material surfaces when the temperature is below 4°C or above 50°C.



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## Application Instructions

Surfaces must be clean, dry and free from oil, grease, dust and other loose matter. Surfaces should be cleaned with MEK or acetone.

## Applications

- Suitable for a wide range of applications, including kitchen surfaces, sanitary ware, indoor corridors, wall panel installation, and sealing of doors and window glass.
- Ideal for use in industries such as automotive, shipbuilding, packaging, advertising, laboratories, sterile rooms, hospitals, and home decoration. Provides a low odour and non-corrosive solutions for edge sealing, general-purpose indoor and outdoor caulking and waterproof sealing.
- Perfect for interior decoration tasks, including cabinet and display installation, sanitary ware sealing, doors and windows, floor-to-ceiling glass, ceilings, and skirting boards, ensuring reliable and aesthetically pleasing results.

## Other Information

SILTECH 615 AK cannot be painted and may cause staining on natural stone surfaces such as marble and granite. Substrate suitability should be tested beforehand. SILTECH 615 AK may have a longer tack free and curing times than acetoxymethyl or oxime silicones.

## Packaging

SILTECH 615 AK is available in:  
280ml Cartridge  
600ml Sausage

## Handling Safety and Storage

During the application and curing of SILTECH 615 AK, ensure proper ventilation during use and curing. Avoid eye contact; if ingested, seek medical attention immediately. Keep out of reach of children. SILTECH 615 AK can be stored in a cool, dry place below 25°C. Keep cartridge sealed to prevent product from drying out. Shelf life should be 12 months from manufacturing date when stored correctly.

## Legal Disclaimer

Each user bears the full responsibility for making its own determination as to the suitability of supplier material, products, services, recommendations or advice for its own particular purposes. Each user must perform a test to determine whether analysis is sufficient to assure that the product will be safe and suitable for use under end-use conditions. Because actual use of products by the user is beyond the control of supplier, such use is within the exclusive responsibility of the user, and supplier cannot be held responsible for any loss incurred through incorrect or faulty use of the products. Further, no statement contained herein concerning a possible or suggested use of any material, product, service or design is intended or should be construed to grant any license under any patent or other intellectual property right of supplier or any of its subsidiaries or affiliated companies, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.