

# Technical Data Sheet

Date of compilation: 31/07/2023

## ARC PERMA CLEAR/WHITE SILICONE

### DESCRIPTION

Arc Perma Clear/White Silicone is one part, moisture curing silicone sealant. It is specially designed for sanitary applications.

#### PROPERTIES:

- 100 % silicone polymer
- Acetoxy curing system
- Cured with humidity
- High strength
- Solvent free
- Resistant to ozone, ultra-violet radiation and temperature extremes
- Fungus and mildew resistant
- Conforms to ISO 11600-F-G-25 LM
- Resistant to moisture
- Frost resistant up to -40 °C (for 5 cycle)



### APPLICATION DETAILS

Application Temperature: +5 °C to +40 °C

Temperature Resistance: -40 °C to +150°C

Storage Temperature: +5 °C to +25 °C

The application surface must be solid, clean dry and free of dust, oil and grease.

Excellent adhesion to a variety of non-porous substrates such as:

- Aluminum
- Glazed ceramic tiles
- Glass

#### Application areas

- Sealing in wet areas
- Bathtubs and showers
- Glass to glass screens
- Ceramic tile
- Rimless sinks
- Bathroom and kitchen fixtures

Ensure that surfaces to be sealed are clean, dry and grease free.

Cut cartridge seal.

Cut the nozzle at a 45° angle to the desired bead thickness.

Screw nozzle onto cartridge and place cartridge into caulking gun bottom end first.

For general sealing apply sealant in a continuous steady flow.

Push the sealant ahead of the nozzle to completely fill the joint.

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Remove excess sealant immediately using a cloth dampened with mineral turpentine. Arc Perma Clear/White Silicone releases acetic acid during curing. Therefore, it must not be used on mirrors and sensitive metals such as copper, brass and lead.

It's not paintable.

It should not be used for aquariums.

Prolonged exposure to direct sunlight must be avoided because of discoloring.

It should not be used on porous surfaces such as stone, concrete, marble or granite.

### TECHNICAL INFORMATION

Chemical Base	Acetoxy silicone
Specific gravity (SEL DM 04)	1,02 ± 0,03 gr/cm <sup>3</sup>
Tack free time (25°C and 50% R.H)	12 min
Cure Rate (1 day) (25°C and 50% R.H)	2 mm
Modulus at 100% (SEL DM 05)	0.4 - 05 Mpa
Tensile Strength (SEL DM 05)	≈1,50 Mpa
Elongation at Break (SEL DM 05)	> 500
Shore Hardness (SEL DM 07)	up to 20 Shore A

### PACKAGING & STORAGE

290ml cartridges, 25 cartridges per carton.

Available colours are clear & white.

**Shelf life:** 12 months

**Storage:** Store the product in a cool and dry place.

### PRECAUTIONS

Keep out of reach of children.

Avoid contact with skin and eyes. Use gloves before application.

Keep out of freezing, direct sunlight and temperatures above 50°C.

Apply in well-ventilated areas.

Do not breathe vapor.

Do not smoke.

For more information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing, physical, ecological, and toxicological and other safety related data.

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## **ARC PERMA CLEAR/WHITE SILICONE**

### **NOTE**

All products should be sold in accordance with the manufacturer's instructions. The manufacturer cannot be held responsible where conditions of use are beyond our control. Full information and advice is freely available from our Technical Services Department e-mail [technical@arcbuildingproducts.ie](mailto:technical@arcbuildingproducts.ie). Whilst any information contained herein is to the best of our knowledge true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents, or distributors, as the conditions of use and any labour involved are beyond our control. Our warranty is therefore limited to the quality of supplied product.