

Technical Data Sheet

Date of compilation: 07/03/2024

ARC MULTI PURPOSE SILICONE

DESCRIPTION

Acetoxy silicone for building, glazing and sanitary joints. Arc Multi Purpose Silicone is a versatile acetoxy silicone sealant, which cures by reacting to moisture to form a durable elastic rubber seal. The product is UV and weather resistant.

Benefits

- Versatile sealant
- Mould resistant
- UV, water and weather resistant

APPLICATIONS

Arc Multi Purpose Silicone was specifically developed for top sealing in glazing systems, perimeter joints around windows and doorframes and joints in kitchens and bathrooms.



DIRECTIONS OF USE

A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10mm is 1:1, with a minimum of 5mm in width and depth. For joints wider than 10mm, the depth is the width divided by 3 plus 6mm.

SURFACE PREPARATIONS AND FINISHING

Application temperature: + 5°C to + 40°C (environment and substrates). All substrates must be solid, clean, dry, and free of grease and dust. Clean substrates with Cleaner. Arc Multi Purpose Silicone adheres perfectly without the use of a primer to most non porous substrates, like glass, painted wood, ceramic and enamelled. Always test adhesion prior to application. Use a Finisher to smooth the joint.

LIMITATIONS

- Do not apply in thick layers.
- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.
- Not suitable for applications on concrete, marble, lead, copper and galvanized steel.
- Not recommended for direct contact with the perimeter of insulation glass, the edges of

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laminated safety glass or the bedding in of double glazed units.

- Not suitable for aquaria.

PAINTABILITY

Arc Multi Purpose Silicone is not paintable. We recommend covering the edges of the joint with masking tape to prevent surfaces that need to be painted from being contaminated by silicone.

CLEANING

Uncured material and tools can be cleaned by using soap & water. Cured material can only be mechanically removed. Hands can be cleaned with Wipes.

SHELF LIFE

In unopened original packaging between +5°C and +25°C, shelf life up to 18 months from production date, stored in a dry place.

TECHNICAL DATA


100% modulus	DIN 53504 S2	0.25N/mm ²
Application rate	@ Ø3mm/6.3 bar	620g/min
Application temperature		+5°C to +40°C
Base		Acetoxxy
Density	ISO 1183-1	0.96g/ml
Elongation at break	DIN 53504 S2	520%
Flow	ISO 7390	<2mm
Frost resistance during transportation		Up to -15°C
Shorea hardness	DIN 53505	14 Shore A
Skin formation	DBTM 16	6 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +120°C
Tensile strength	DIN 53504 S2	1.00 N/mm ²

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CERTIFICATION

	EN 15651-1: F-EXT-INT-CC 12.5E EN 15651-2: G-CC EN 15651-3: S XS1
	A+ French VOC Regulation

HEALTH & SAFETY

Product Safety Data Sheet must be read and understood before use.

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. 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.