

K2 TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

- SILOXAK2 is for use in perimeter and connection joints for aluminium, wood and PVC carpentry.
- SILOXAK2 is for sealing of joints between porous and non-porous substrates.
- SILOXAK2 is for weathersealing of windows.
- SILOXAK2 is a one part, neutral cure silicone sealant that reacts with the atmospheric moisture producing a flexible rubber that is extremely resistant.
- SILOXAK2 preserves elasticity and adherence over time, remaining stable to atmospheric agents.

MAIN BENEFITS:

- Low modulus and high elasticity.
- High movement capability.
- Excellent adhesion to a wide range of substrates without priming.
- UV radiation, weather and ageing resistant.
- Extremely long service life.
- Very easy to apply and tool.
- Low odour.
- Non-corrosive to metals.

TECHNICAL CHARACTERISTICS

Uncured Sealant	
Type of sealant	Neutral oxime silicone
Viscosity	Non-slump paste
Vulcanising system	Through moisture in air
Skin forming time (23°C and 50% R.H.)	Approx. 5-15 minutes (at 23°C; 50% R.H.)
Tack free time (23°C and 50% R.H.)	Approx. 5 minutes (at 23°C; 50% R.H.)
Vulcanisation rate (23°C and 50% R.H.)	Approx. 3 mm/24h
Specific Gravity : ISO 2811-1	Approx 0.97 g/mol
Application temperature	Between +5°C to +40°C
Shelf life, in the original packing in dry conditions between +5°C - +25°C	12 months
Cured Sealant	
Shore A hardness : ISO 868	Approx. 20
Elastic recovery : ISO 7389	>80% (at 100% elongation)
Tensile Properties: ISO 37 (2mm thickness, 7 days, 23°C and 50% R.H.)	
E-Modulus 100%	0.28MPa
Tensile Strength	0.90MPa
% Elongation at break	450%

PACKING AND COLOURS

This product is available in 280ml cartridges. Box Quantity is 25 cartridges.

Translucent, bright white, brown and anthracite.

METHOD OF USE

Preparation

Substrates (joint flanks) must be clean, dry, and free of dust, grease and other contaminant which may affect the adhesion. Non-porous surfaces (such as aluminium, glass, etc.) should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles. Mask off the joint edges.

Application

After substrate preparation, apply the sealant with a professional caulking gun, evenly and without bubbles.

Joint dimensions

Joint dimensions	
General Width/Depth Ratio	The ideal joint has a 2:1 width/depth ratio
Minimum Dimensions	5-6mm width x 5-6 mm depth
Up to 12mm	Width=Depth
From 12mm to 24mm	Depth= $\frac{1}{2}$ Width
Wider than 24mm	Depth =12-15mm
Maximum width for Expansion Joints	50 mm

Tooling

The joint should be tooled and smoothed before skin formation. Press the sealant and smooth it ensuring good contact with the surfaces to seal. Use neutral soapy water as a tooling agent. Remove masking tape. Uncured product may be easily removed with solvents such as isopropyl alcohol or "white spirit". Cured sealant must be removed mechanically.

Repair

With the same product.

SAFETY

Use in well ventilated areas. Avoid skin and eye contact. Keep out of reach of children.

A safety data sheet is available, we recommend reading this and the safety labels carefully before use.

LIMITATIONS

- Do not expose to thermal, mechanical or chemical influences before complete curing. Good ventilation is important during application and vulcanisation of the product.
- Do not use on bituminous substrates
- Do not use on building materials which may bleed oils, plasticizers or solvents e.g. natural rubber, chloroprene, EPDM...)
- There is no adhesion to PE, PP, PTFE (Teflon®).
- Due to the wide variety of possible substrates we recommend a compatibility test.
- Not intended for Structural glazing.
- Cannot be overpainted
- In an acid environment or in a dark room white silicone can slightly turn yellow-under the influence of sunlight it will turn back to its initial colour.

Liability

The information in this document, in particular recommendations regarding the application and final use of our products, are given in good faith based on our knowledge and is the result of tests and experience and are intended as guidelines. It is the responsibility of the user to determine whether the product is suitable for the application. Due to the great variety of materials and conditions, which are beyond our knowledge and control, we recommend carrying out sufficient previous trials. The property rights of third parties must be respected.