

# S I L E X

## S I L I C O N E S



Certificate No. 0372

### D A T A S H E E T

## SUPER GLUE ADHESIVE KIT

### SIL SUPER

#### Instructions

The SIL SUPER-GLUE PRIMER can be applied using a brush. Do not over-apply the primer or the adhesion will be limited.

#### Storage

Ensure that the bottle is tightly closed after use and store the product in dry conditions between 5°C and 27°C, room temperature. The product will keep for up to 12 months if stored in this manner. It is however advisable to try and keep the product at the cooler end of the range to maintain the best possible condition. In cool storage allow the product to reach room temperature before use.

#### Caution

These products contain Cyanacrylate and therefore avoid contact with the skin and eyes. The glue will bond tissue in a matter of seconds. In the event of skin contact, peel apart carefully whilst soaking the affected skin in warm soapy water.

If the product comes into contact with the eye area flush with warm water, cover with a gauze to keep the eye moist and consult a doctor immediately, do not allow the eye to close.

In the event of the product being accidentally swallowed rinse the mouth with water and drink plenty. Again consult a doctor for advice.

The primer is highly flammable and should be kept in a well ventilated area away from heat, sparks and naked flame.

Do not dispose of the primer down the drains and take caution to prevent electric-static charge.

This product should be kept out of the reach of children.

#### Liability

No responsibility for personal injury or damage to property will be undertaken by the supplier. It is the user's obligation to determine the suitability for purpose on the specific application and to exercise extreme caution using the product.

#### Product Description

The SIL SUPER-GLUE ADHESIVE KIT is a glue system designed to bond knowingly difficult synthetic materials together.

The set includes: SIL SUPER Polyolefin-Primer, 10ml bottle  
SIL SUPER Glue, choice of 10g (0,34 fl. oz) bottle, 30g (1 fl. oz) bottle or 50g (1,7 fl. Oz) bottle.

#### Range of Applications

SILEX Limited

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Registered in England No. 1951973. Registered at the above address

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The SIL SUPER PRIMER is a pre-treatment system for difficult adhesives which quickly dry at room temperature. Without the primer Polypropylene, Polythene, Elastomere, Santoprene and other difficult to glue synthetic materials such as PTFE and Silicone cannot normally be glued.

The preliminary treatment with the SIL SUPER Primer makes it possible to glue these materials to each other or to other materials.

### Chemical Characteristics in Liquid Condition

	SIL SUPER GLUE	SIL SUPER Primer
Chemical Base	Ethyl-Cyanacrylate	Aliphatic Amine in solvent
Colour	Translucent	Translucent
Density at 25°C	1,05	0,68
Viscosity, mPa-s	10-30	0,5-2
Flash point (COC), °C	> 80°C	-1°C
Vapour pressure, mbar	< 1	50
Storable @ 20°C (month)	12	12
Solvent	-	Heptan
Time to dissipate @ 20°C (seconds)	-	30
Open time (hours)	-	8
Flourescence at UV light (low intensity, 365 nm)	-	Yes
Toxicity	Little	Little
Temperatur resistance	-40°C up to +120°C	On application

### DIRECTIONS

1. Ensure that parts to be bonded are clean and free from grease and clamped together.
2. Apply SIL SUPER Primer with a brush over the whole surface area of the parts.
3. Apply just one coat of Primer. Allow the treated surface to dry (15-60 seconds). Close the bottle tightly after use.
4. Keeping the glue bottle vertical, screw off the cap.
5. Apply one drop on the non Polyolefin-Primer part. Avoid contact with the fingers or the cloth.
6. Join parts immediately.
7. Hold the parts together, maintaining contact for a minimum of 15 seconds. This is to be used as a guideline and the user will find from experience the ideal duration.
8. Clean the nozzle before putting the cap back on and tap the bottom of the bottle on a flat surface to allow the glue to run out of the nozzle back into the bottle.
9. In the event of bonding two Polyolefin parts apply the Primer on BOTH surfaces. Let it dry again for 15-60 second, again a guideline. Then apply one drop of glue onto the surface and combine the two parts immediately, taking care to get the correct fitting.

### Hints for Using

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1. To achieve the best results bond the parts within one hour of applying the Primer. Do not apply a second coat of Primer within 8 hours.
2. The Primer works as an accelerator to speed up the hardening time of the SIL SUPER GLUE. After contact it takes 30 seconds to solidify. For best bond strength wait for 24 hours at room temperature, around 22°C.
3. SIL SUPER Primer for use under a UV light can be applied with a UV lamp.
4. SIL SUPER Primer is recommended for use with SIL SUPER GLUE
5. Do not use the Primer on any material which can be glued by just using the SIL SUPER GLUE alone.
6. Do not touch the parts that are treated with Primer with the glue bottle nozzle.

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