

# Sealux-N Silicone

## Technical Data Sheet 01/01/2014



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### Product description

Sealux-N is a low modulus neutral curing silicone that conforms to ISO 11600 F&G25 LM. Sealux-N is a versatile one component sanitary silicone sealant, for sealing building joints and glazing systems. The product is non acetoxo. After application the silicone cures with atmospheric moisture to form a durable rubber seal.

### Applications

- Recommended for use with all Sealux Sealing Systems
- Perimeter joint sealing around shower trays, baths, sinks, counter tops.....
- Glazing systems and cap beading
- Industrial areas where fungus growth is not allowed

In general Sealux-N may be used for the sealing of construction and dilation joints and perimeter pointing around all types of frames. Adheres to most common building materials without the need of priming such as brick, PVCu, polycarbonate, concrete, painted wood, glass, aluminium and many other metals. Accommodates joint movement of + or - 25%.

### Limitations

Among others not recommended for aquaria, PMMA, PE, PP, Teflon and bituminous surfaces and wax or paraffin containing surfaces. Applications in not well ventilated area which are closed from U.V. light might lead to yellowing. This can occur as well in contact with chemical fumes Adhesion tests prior to application are recommended. It is the user's responsibility to determine suitability.

### Surface preparation

Surfaces must be clean, dry and sound.

### Available colours

Translucent and white.

### Packaging

Cartridges of 310 ml in boxes of 25 units.

### Health and Safety

#### HARMFUL

Contains 2-butanone oxime. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact. Keep out of reach of children. Do not breathe vapour. Wear suitable protective clothing and gloves. If swallowed seek medical advice immediately and show this container or label. Tactile warning applicable. Dispose of empty packaging correctly.

### Liability

The information given is the result of our tests and experience and is believed to be accurate and reliable. However, as Sealux Limited cannot know all the uses its products may be put to, and as application methods are out of our control it is the user's responsibility to determine suitability of use.

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Typical Values		Dimension	Sealux-N Silicone
<i>General</i>			
Basis			Oxim
Application temperature		°C	+5 / +40
Application rate	3mm / 6,3 bar	g/min	170
Flow	ISO 7390	mm	<2
Density		g/m	1,035
Shrinkage		% g/g	<5
Skin over time	23°C / 55% RF	min	6
Frost resistant till -15°C during transport			yes
Shelf life between +5°C & +25°C		Month	12
Paintable after curing			no
Joint movement capability		%	±25
Temperature resistance after curing		°C	-50 / +120
<i>Mechanical properties 2 mm film</i>			
Shore-A hardness (3 s)	DIN 53505		19
100% Modulus	DIN 53504	MPa (N/mm <sup>2</sup> )	0,40
Tensile strength	DIN 53504	MPa (N/mm <sup>2</sup> )	1,4
Elongation at break	DIN 53504	%	500

Joints		
<i>Net estimated usage</i>		
Metres of joint per cartridge 310ml for various joint sizes. (width x depth)	4 x 6 mm	12,9 m
	6 x 6 mm	8,6 m
	8 x 6 mm	6,4 m
	12 x 8 mm	3,2 m
	16 x 10 mm	1,9 m
	20 x 12 mm	1,3 m
<i>Back up material</i>		
Install back up material for the right joint depth and in order to prevent three side adhesion.		
<i>Joint dimensions</i>	Width	Depth
Minimum width	4 mm	
Maximum width	25 mm	
	4-8 mm	6 mm
	10-12 mm	8 mm
	14-16 mm	10 mm
	18-20 mm	12 mm
	22-24 mm	14 mm
<b>QUANTITY ESTIMATOR</b>		
Width x depth of joint x length (in linear metres) of joint, divide this by the volume of tube in ml = number of cartridges required.		

For full health and safety data information, please contact our technical department by telephone or email to [info@sealux.com](mailto:info@sealux.com) or refer to Data Sheets section on [www.sealux.com](http://www.sealux.com)