



Sealux Limited
26 Upper Churchtown Rd.,
Dublin 14, Ireland.
Tel: +353 (0)1 2989 121
Fax: +353 (0)1 2989 119
E-mail info@sealux.com
Web; www.sealux.com

Sealux-N Silicone

Technical Data Sheet 15/12/2006

Product description

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

- Joint sealing to precast concrete and brickwork.
- Parameter and curtain wall sealing
- Glazing systems and cap beading
- For kitchens, bathrooms and showers.
- Industrial areas where fungus growth is not allowed

In general Sealux-N may be used, also without primer, to seal assemblies of glass, glazed surfaces, aluminium and many other metals, unplasticised plastics like polycarbonate (Lexan® and Makrolon®), polyester, rigid polystyrene, ABS and most uPVC and painted wood, concrete and brickwork..

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 as surfactants, socially during curing.

Surface preparation and finishing

Surfaces must be clean, dry and sound. If necessary use a primer. See Primer Selection Guide and TB 02-95. Adhesion tests prior to the application are recommended. Finish with 1% neutral soapy water.

Available colours

Translucent, and white.

Packaging

Cartridges of 310 ml in boxes of 25 units.

Safety

Safety Data Sheets are available upon request.

Warranty

Sealux Ltd. warrants that its product complies, within its shelf life, to its specification. The liability shall in no case exceed the amount fixed in our Conditions of Sale. In no event is Sealux Ltd. liable for any incidental or consequential damages.

Liability

All supplied information is the result of tests and experiences and is of general nature. However, they do not imply any liability. It is the responsibility of the user to verify by his own tests if the product is suitable for the application.

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Typical Values		Dimension	
<i>General</i>			
Basis			Oxim
Application temperature		°C	+5 / +40
Application rate		g/min	170
Flow	3mm / 6,3 bar	mm	<2
Density	ISO 7390	g/m	1,035
Shrinkage		% g/g	<5
Skin over time		min	6
Frost resistant till -15°C during transport	23°C / 55% RF		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)			19
100% Modulus	DIN 53505	MPa (N/mm ²)	0,40
Tensile strength	DIN 53504	MPa (N/mm ²)	1,4
Elongation at break	DIN 53504	%	500

Specification	
International	ISO 11600 F+G-25 LM
Germany	DIN 18545-E

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>		
Minimum width	Width	Depth
Maximum width	4 mm	
Joint connection	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