



CHARACTERISTICS

- Low modulus, multipurpose, one-component silicone sealant, based on a neutral oxime curing system
- Very good adhesion to many materials
- Permanent elasticity
- High resistance to ageing, weather conditions, low and high temperatures and UV

APPLICATIONS

- For sealing of joints in the building and engineering industry, automotive industry, ship building etc.
- Adheres without primer on aluminium, steel, abs, stainless steel, anodized steel, glass*, treated wood and hard PVC.
- Can also be used on alkali surfaces such as concrete and bricks. If necessary use primer.
- *Can affect the butyl sealing in insulating glass or PVB film in security glass. Direct contact has to be avoided, as we cannot guarantee the compatibility of the product with the secondary edge seal, due to big variety in material of this secondary edge seal.

TECHNICAL CHARACTERISTICS	
Uncured sealant	
Type of sealant	Polysiloxanes
Viscosity	Pasty
Vulcanising system	Through moisture in the air
Skin forming time (23°C and 50% R.H.)	25 - 30 min. (filled) - 15 min. (transp)
Vulcanisation rate (23°C and 50% R.H.)	2,5 mm/24h
Density: ISO 1183	1,38 g/ml (filled) - 0,98 g/ml (transp)
Processing temperature	+5°C - +40°C
Shelf life, in the original packing in dry conditions between +5°C - +25°C	Min. 12 months
Cured sealant	
Shore A hardness: ISO 868	ca. 25 (filled) - 10 (transp)
Elastic recovery: ISO 7389	> 80%
Deformation capability: ISO 11600	20%
Modulus at 100% elongation: ISO 8339	0,4 N/mm ²
Temperature resistance	-50°C - +150°C

PACKING AND COLOURS		
12 cartridges of 310,ml/box - Not on stock, available on demand and per full batch		
Colours	SKU number	EAN
Transparent	SIL20006	0714770448435
Snow white	SIL20000	0714770448404
Black	SIL20005	0714770448428
RAL 7016 anthracite grey	SIL20007	0714770448442
RAL 8017 brown	SIL20002	0714770448411

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore, tests are necessary. Our general conditions apply.



Part Code | SIL20000, SIL20002, SIL20005, SIL20006, SIL20007
 Description | Xpert 117 LMN Silicone

METHOD OF USE

Preparation

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with a **Solvent Cleaner**, MEK, alcohol or ethanol. If necessary, use a primer. It is recommended to carry out preliminary tests in order to determine the suitability of the product for its application.

Application

With a gun (manual or pneumatic). The shape of the joint is important. Avoid thin layers.

Joint dimensions

Joint width	Joint depth	Allowed difference
3-4 mm	3-4 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	8 mm	± 1 mm
10 mm	6-8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	10-12 mm	± 2 mm
25 mm	15 mm	± 3 mm
Maximum joint width: 30 mm		

Tooling: If desired, smooth the surface before skin formation with the tooling agent and a scraper.

Cleaning:

- Before curing: Tools with white spirit or solvent, surfaces with a **Silicone Cleaner**.
- After curing: Remove as much as possible mechanically and remove remainders of silicone with Silicone Remover.

Repairing: With the same product.

SAFETY

Safety data sheet available on request.

LIMITATIONS

Use in well-ventilated rooms. Do not expose to thermal, mechanical or chemical influences before complete curing. Good ventilation is important during application and vulcanisation of the product.

- Not suitable for applications with permanent water contact.
- No adhesion on PE, PP, PTFE (Teflon ®) and bituminous substrates.
- Do not use on natural stone, polyacrylate et polycarbonate...
- Not paintable.

TECHNICAL APPROVALS

Complies with ISO11600 F+G 20 LM



* Level information emission of substances volatile in the indoor air, presenting a risk of toxicity by inhalation, on a class scale ranging from A+ (very low emissions) at C (high emissions).

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