



UNISIL G

NEUTRAL LOW MODULUS SILICONE BASED SEALANT FOR JOINTS

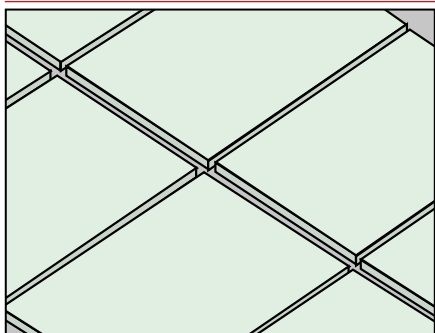
UNISIL G PRIMER

SILICONE BASED PRIMER FOR OLD AND POWDERY SURFACES

CHARACTERISTICS	ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
<p>WATERPROOFING</p>		<p>APPLY BY GUN (SUPERFLEX PUR)</p>	<p>APPLY BY BRUSH (SUPERFLEX PRIMER)</p>	

PROBLEM

SEALING EXPANSION JOINTS



In the building trade, the use of prefabricated building elements and the pre-arrangement of joints in concrete floors create problems of sealing them and of forming sealed gaskets that remain permanently elastoplastic even at temperatures ranging from -50°C to +120°C.

SOLUTION

UNISIL G is a low modulus elastomeric silicone one-component sealant, which remains permanently flexible, is odourless and chemically neutral.

UNISIL G absorbs extensive expansion movements in joints excellently.

UNISIL G is able to absorb joint movements up to an amplitude of 25%. It bonds to most materials without using primers before application.

UNISIL G offers excellent resistance to weathering, as well as long-lasting service life and outstanding resistance to ultraviolet light at high temperatures.

It is perfectly odourless after reticulation.

APPLICATION FIELDS

UNISIL G is ideal for sealing expansion and structural joints because it does not put excessive strain on the bonding line between the different surfaces. It bonds to most building materials, such as: cement, stone, masonry, bricks, steel, glass, ceramics and painted wood.

UNISIL G is designed to seal expansion or structural joints on building facades, walls and other concrete structures. It is used to seal structural joints between walls and floors, stairs, between windows/doors and walls, tiled surfaces, pipework etc.

ADVANTAGES

- Rimane sempre flessibile.
- Di facile lavorazione.
- Ottima resistenza agli U.V.
- Ottima resistenza al lavaggio.
- Chimicamente neutro.
- Inodore

METHOD OF USE

The surfaces to be sealed must be free from any kind of powdery residues, loose parts, oil, grease, bitumen or ice.

Porous surfaces such as cement, masonry, mortar etc. must be cleaned mechanically beforehand using a steel brush or grinder.

UNISIL G offers excellent bonding properties without a primer coat on the most commonly used surfaces; however, if the surfaces are very old and crumbly, it is advisable to apply a coat of **UNISIL G PRIMER** first (1).

• APPLICATION

UNISIL G is to be applied in temperatures ranging from -10°C to +40°C, without incorporating air bubbles during application. Apply the sealant using a suitable gun (2), smoothing off with a damp float and pressing to eliminate air bubbles. The smoothing process must be completed before the sealant forms a film on the surface. Freshly applied **UNISIL G** can be

removed using normal solvents, such as trichloroethylene or methyl ethyl ketone.

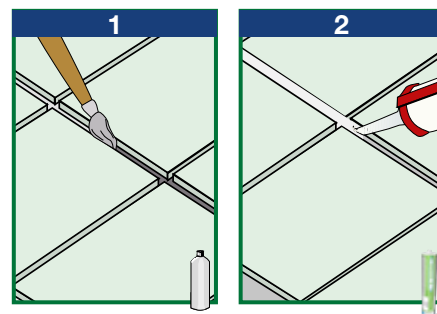
Once the sealant has set, it can only be removed using mechanical means.

• CONSUMPTION

Approximate coverage on joint of 10x10 mm: 3 m with one 310 cc cartridge.

• PRECAUTIONS

- The ideal depth of a joint is half the width. When the depth exceeds the width, a compressible polyethylene filling strip must be added.
- For use on old and crumbly surfaces made of absorbent building material, it is advisable to use the **UNISIL G PRIMER** first.
- Non-porous surfaces such as aluminium, glass, metal etc. must be cleaned with a solvent, such as methyl ethyl ketone or trichloroethylene before applying the sealant.



TECHNICAL CHARACTERISTICS

	Standard	UNISIL G
Appearance		Paste
Colour		see table
Density	EN 2811-1	1.52 kg/L
Storage in original packaging in a dry place, away from frost		12 months
Characteristics of product and workability		
Useful working time (*)		30 minuts approx
Vulcanisation time at 23° - 1 mm (*)		1 day
Vulcanisation time at 23° - 5 mm (*)		1 week
Film polymerisation time		1÷4 weeks
Variation in volume		-3% approx
Application temperature		+5°C ÷ +35°C
Shore A Hardness Scale		15
Application		Manual
Performance characteristics		Product performance
Tensile strength		0.50 N/mm ²
E-Modulus at 100% expansion		0.37 N/mm ²
Elongation, working concentration		25% joint's width
Ultimate elongation		250%
Elastic return		>90%
Thermal resistance - Working temperature		-50°C ÷ +120°C

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. **These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.**

(*) The times indicated will be longer or shorter as the temperature drops or rises.

AVAILABLE COLOR'S TABLE



The above mentioned products reproduce indicative colours

PACKAGING

UNISIL G
310-cc Cartridge in Pack of 24 cartridge
UNISIL G PRIMER
500-ml Tin

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering