



Multisil

*Neutral Cure, Low Odour Silicone Sealant
Excellent Adhesion to Plastics*

Product Description

Multisil is a one part, low modulus silicone sealant which undergoes a neutral cure when exposed to atmospheric moisture. The resulting rubber like seal exhibits high elasticity and excellent durability against sunlight, UV radiation, rain, snow and temperature extremes. The excellent weather resistance combined with a high movement capability ensures many years of continuous service in building joints and glazing applications.

Key Product Features

Multisil is a highly versatile sealant which will adhere to many common building materials such as glass, concrete, various metals and painted wood without the use of a primer*. The sealant is also designed to have excellent adhesion to a broad range of thermoplastics, examples being: ABS, PC**, PVC and PMMA***. Multisil passes the Lexan® chemical compatibility test of GE Plastics. It also complies with the corrosion test of Rohm when used with Plexiglas®.

* Qualification testing is advised. In certain cases the use of a primer may be required.

** Lexan® and Makrolon®

*** GE Bayer Silicones recommends to always clean substrates and in particular PMMA. Isopropylalcohol is widely used for cleaning purposes and should be applied using a clean lint free cloth. At least 20 minutes should be allowed for drying before applying sealant.

Typical Applications

- Perimeter and curtain wall sealing
- Expansion joint sealing of concrete, brick and stone.
- Glazing systems and cap beading: glass, painted wood, PVC polycarbonate and many other plastics.
- Interior sealing applications where a low odour is advantageous during application and curing.

Typical Properties

Uncured (23 °C, 50 % relative humidity)

Density	g/cm ³	1.03	
Application Rate	g/minute	400	6 mm orifice, 2 Bar pressure
Sag	mm	< 2	ISO 7390
Tooling Time	minutes	10	
Tack Free Time	minutes	20	
Application Temperature	°C	+ 5 / + 40	

Cured

Hardness	Shore A	20	DIN 53505
Tensile at 100 % Elongation	MPa	0.3	ASTM D 412 (die C)
Tensile Strength	MPa	1.2	ASTM D 412 (die C)
Elongation at Break	%	550	ASTM D 412 (die C)
Tensile at 100 % Elongation	MPa	0.32	ISO 8339 (glass substrate)
Tensile at Break	MPa	0.56	ISO 8339 (glass substrate)
Elongation at Break	%	300	ISO 8339 (glass substrate)
Volume Loss	%	3.1	ISO 10.563
Elastic Recovery	%	> 90	DIN 52458
Temp. Resistance	°C	- 50 / + 100	

Values listed are indicative and should not be used as specification.

Available Colours

Multisil is available in translucent, white, black, brown and two options in grey/ for further details, and requests for other colours, please contact GE Bayer Silicones.

Specifications

Multisil complies with the following specifications:

France: Label SNJF, first category primerless on glass, anodised aluminium and concrete.

Italy: Uni 9610 / 9611

UK: BS 5889 part A (obsolete since December 1996, replaced by ISO 11.600)

Germany: DIN 18540 and DIN 18545 E.

International: ISO 11600 F + G 25 LM

Sweden: MTK

Belgium: ATG

Packaging and Storage

Multisil is available in 310 ml cartridges (all available colours), and 600 ml foil packs (translucent and white only). The shelf is 12 months from date of manufacture when stored in original, unopened containers below 25 °C and in a dry place. The use before date is printed on cartridges and foil packs. Avoid storage under extreme conditions of temperature and humidity.

Handling and Safety

Material Safety Data Sheets are available upon request from GE Bayer Silicones. Avoid contact of the uncured material with skin, eyes and clothing. In case of contact with eyes, flush immediately with plenty of water and seek medical attention. Use only in well ventilated areas. Keep out of reach of children.

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