



**MOMENTIVE**  
performance materials

# silicone **1200 GC\***

## Product Description

1200 GC silicone is a one part acetoxy silicone sealant, which cures with atmospheric moisture to form a rubberlike seal for specialised glazing applications, joint sealing and assembly. 1200 GC silicone is unaffected by high or low temperatures and its physical properties are designed to give excellent durability and performance. 1200 GC silicone has a good adhesion to non-porous substrates like glass, ceramics, some metals and coated surfaces.

## Key Performance

- UV-resistant
- Excellent durability
- Unaffected by high or low temperatures
- Weathering resistant
- Mildew resistant

## Key Applications

- Glazing
- Construction
- Joint Sealing
- Bonding
- Assembly
- Bathroom & Kitchen

## Material Adhesion

1200 GC silicone has good adhesion to glass, glazed surfaces, some plastics and metals and coated surfaces. Some surfaces require the use of a primer.

1200 GC silicone is only available in limited number of countries.





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## PRODUCT PORTFOLIO

	Acetoxy	Neutral
Special Applications	1200* High Heat	Pensil* 300 Reflexsil* SSG 4000
Top Performance	Contractors Tradesil A	Silpruf* Silglaze* N Multisil*
	Sanitary A	Sanitary N
High Performance	Silplus* AS	Silplus* X
	1200 GC* <sup>1</sup>	
	1200 HC* <sup>1</sup> 1000 A	

<sup>1</sup> Only available in limited number of countries

## PRODUCT DATA

General Product Data			
Cartridge Availability	ml		300
Foils Availability	ml		-
Colors Available			On request
Curing System			Acetoxy
Segment	Performance		High
Uncured Product Data			
Specific Gravity			0.96
Application Rate	g/minute	6 mm orifice, 2 bar pressure	500
Sag	mm	ISO 7390	<2
Tooling Time	minutes	at 23°C, 50 % RH	10
Tack Free Time	minutes	at 23°C, 50 % RH	25
Shelflife	months		13
Application temperature	(°C)		+5 / +40
Cured Product Data			
Hardness (Shore A)	Shore A	DIN 53505	22
Full Cure	days		1 - 5
Tensile Strength	MPa	ASTM D 412 (die C)	1.5
Tensile modulus @ 100 % elongation	MPa	ASTM D 412 (die C)	0.35
Elongation at break	%	ASTM D 412 (die C)	>400
Tensile adhesion modulus @ 100 % elongation	MPa	ISO 8339 (glass substrates)	0.35
Tensile adhesion strength at break	MPa	ISO 8339 (glass substrates)	0.4
Tensile elongation at break	%	ISO 8339 (glass substrates)	125
Peel adhesion strength	Kn/m	ASTM C 794	2
Temperature resistance	(°C)		-40 / +100

## HANDLING & SAFETY

Material safety data sheets are available upon request from Momentive Performance Materials. Uncured product may irritate eyes, respiratory system and skin. In case of contact with eyes, flush immediately with plenty of water and seek medical attention. Avoid oral contact. Use only in well ventilated areas. Keep out reach of children.

## INSTRUCTION FOR USE

Surface must be clean, dry and free from oil, grease, dust and other loose matter. Detergent or soap and water treatments are not recommended. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. The solvent used should be checked for compatibility with adjacent materials that it will contact.

## INFORMATION

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