

Pensil^{*} 300

silicone sealant

Product Description

Pensil 300 silicone is a one-part neutral curing silicone sealant for sealing joints to control the spread of fire, smoke, toxic gases and water during fire conditions. Excellent movement accommodation makes it an ideal product for joints where fire resistance must be maintained without the loss of adhesion or rupture resulting from typical environmental movement. Pensil 300 silicone is formulated without the use of halogens or isocyanates.

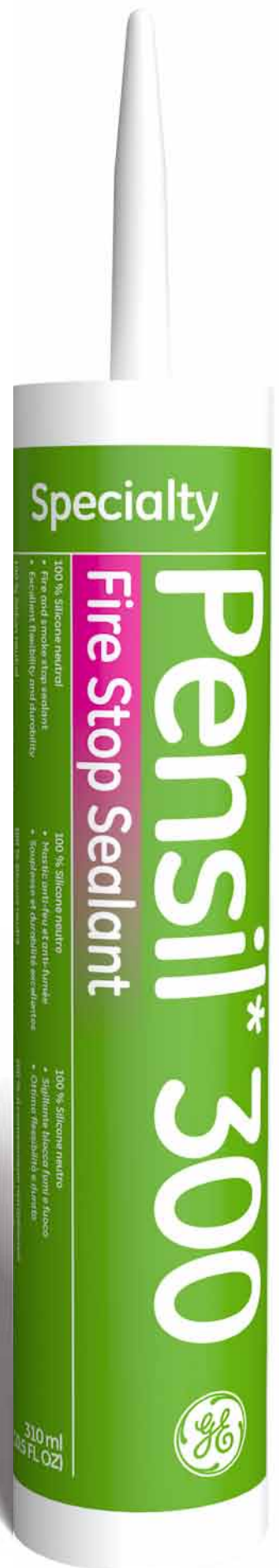
Pensil 300 silicone provides excellent primerless adhesion to most common building materials such as: glass, glazed surfaces, treated wood, most plastics, aluminium, steel, masonry and concrete.

Typical Performance Properties

- UV resistant
- Excellent durability
- Unaffected by high or low temperatures
- Resistant to weathering
- 100% silicone
- Low modulus
- High elasticity
- Fire resistant
- Low odor

Potential Applications

- Perimeter joints around fire doors



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PRODUCT DATA

General Product Data	UOM		Results
Cartridge Availability	ml		310
Foils Availability	ml		–
Colors Available			On request
Curing System			Neutral
Uncured Product Data	UOM	Procedure	Results
Specific Gravity			1.41
Application Rate	g/minute	6 mm orifice, 2 bar pressure	140
Sag	mm	ISO 7390	<2
Tooling Time	hours	at 23 °C, 50% RH	30
Tack Free Time	hours	at 23 °C, 50% RH	5 - 8
Shelflife	months		18
Application temperature	(°C)		+5 / +40
Cured Product Data	UOM	Procedure	Results
Hardness (Shore A)	Shore A	DIN 53505	30
Full Cure	days		5 - 10
Tensile Strength	MPa	ASTM D 412 (die C)	1.7
Tensile modulus @ 100% elongation	MPa	ASTM D 412 (die C)	0.53
Elongation at break	%	ASTM D 412 (die C)	>600
Tensile adhesion modulus @ 100% elongation	MPa	ISO 8339 (glass substrates)	0.43
Tensile adhesion strength at break	MPa	ISO 8339 (glass substrates)	0.62
Tensile elongation at break	%	ISO 8339 (glass substrates)	300
Peel adhesion strength	Kn/m	ASTM C 794	7
Temperature resistance	(°C)		-40 / +100

CERTIFICATION EN15651-1 Type F INT-EXT CC class 25LM
 EN15651-2 Type G CC class 25LM
 DIN 4102-1 Klasse B1
 UL cert. XHHW.R8325; Fill, Void or Cavity materials -
 sealants for use in Joint Systems and sealants for Through-Penetrations Firestop Systems

HANDLING & SAFETY

Customers considering the use of this product should review the latest Material Safety Data Sheet and label for product safety information, handling instructions, personal protective equipment if necessary, and any special storage conditions required. Material Safety Data Sheets are available at www.ge.com/silicones or, upon request, from any MPM representative. Use of other materials in conjunction with MPM sealants products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

INSTRUCTIONS 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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Asia Pacific: **Japan:** +81 276 20 6182, **China:** +800 820 0202, **All APAC:** +60 3 9206 1543

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