

SilPruf^{*} E

silicone sealant

Product Description

SilPruf E silicone is a one-part, low modulus silicone sealant that has 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.

SilPruf E offers excellent adhesion to most common building materials such as: glass, glazed surfaces, most plastics, concrete, metals and painted wood.

Typical Performance Properties

- Tin free
- UV resistant
- Excellent durability
- Unaffected by high or low temperatures
- Resistant to weathering
- Low modulus
- High elasticity
- High movement capability
- Low odor

Potential Applications

- Glazing
- Construction
- Joint Sealing
- Bonding
- Assembly



PRODUCT DATA

General Product Data	UOM		Results
Cartridge Availability	ml		310
Foils Availability	ml		591.5
Colors Available			On request
Curing System			Neutral
Uncured Product Data	UOM	Procedure	Results
Specific Gravity			1.39
Application Rate	g/minute	6 mm orifice, 2 bar pressure	140
Sag	mm	ISO 7390	<2
Tooling Time	minutes	at 23 °C, 50% RH	30
Tack Free Time	hours	at 23 °C, 50% RH	6 - 9
Shelflife	months		18
Application temperature	(°C)		+5 / +40
Cured Product Data	UOM	Procedure	Results
Hardness (Shore A)	Shore A	DIN 53505	20
Full Cure	days		5 - 10
Tensile Strength	MPa	ASTM D 412 (die C)	1.5
Tensile modulus @ 100% elongation	MPa	ASTM D 412 (die C)	0.4
Elongation at break	%	ASTM D 412 (die C)	700
Tensile adhesion modulus @ 100% elongation	MPa	ISO 8339 (glass substrates)	0.35
Tensile adhesion strength at break	MPa	ISO 8339 (glass substrates)	0.5
Tensile elongation at break	%	ISO 8339 (glass substrates)	300
Peel adhesion strength	Kn/m	ASTM C 794	7
Temperature resistance	(°C)		-50 / +100

CERTIFICATION EN15651-1 Type F INT-EXT class 25LM
 EN15651-2 Type G CC class 25LM
 SNJF Vitrage no 347
 SNJF Facade no 346 Classe F25E/G25E with or without primer

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 **Europe, Middle East, Africa and India:** +00 800 4321 1000 | **Americas:** +1 800 295 2392, **Asia Pacific: Japan:** +81 276 20 6182, **China:** +800 820 0202, **All APAC:** +60 3 9206 1543

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