

	Soudal RTV 50	Soudal RTV GP
Technical Data		
Base	Polysiloxane	Polysiloxane
consistency	Paste	Paste
curing system	Moisture Cure	Moisture Cure
skin formation ((68°F/65% R.H.)	8-10 min	ca. 10 min
Tack-free time (68°F/65% R.H.)		
Tooling time - working time		
curing rate (68°F/65% R.H.)	24-48h, 1/12" diameter bead	24-48h, 1/12" diameter bead
hardness - Shore A (ASTM C 661)	25 +/- 5	25 +/- 5
specific gravity	1,03 g/ml	1,00 g/ml
temperature resistance	-76°F to 356°F (-60°C to 180°C)	-76°F to 356°F (-60°C to 180°C)
elastical recovery	>80%	>90%
maximum allowed distortion	25%	25%
elasticity modulus 100% (ASTM D 412)	55 psi (0,30 N/mm ²)	38 psi (0,40 N/mm ²)
Tensile Strength (ASTM D 412)	232 psi (1,50 N/mm ²)	218 Psi (1,50 N/mm ²)
Elongation at break (ASTM D 412)	800%	800%
Joint Movement Capability (ASTM C 719)	+50%/-50%	

Product	Soudal RTV 50 is a one-part neutral cure, low modulus silicone sealant.	Soudal RTV General Purpose is a one-part acetoxycure silicone sealant.
Characteristics	Permanent colour, UV resistant Stays fully elastic after curing Very good adhesion on many materials Very easy application	Permanent colour, UV resistant Stays fully elastic after curing Very good adhesion on many materials Very easy application Typical acetic smell
Applications	Building- and construction joints Topsealing at glazing jobs Joints with high movement between different building materials Sealing between treated wood, metal, PVC profiles and glass	Building- and construction joints Glazing on aluminum frames Sealing in sanitary rooms, kitchens, cold storage rooms and containers. Sealing in air condition systems Window-and door joints
Packaging	Color: clear, white, black, grey, concrete grey, beige Packaging: 10.1 fl.oz. Cartridge, 20 fl.oz. Sausage	Color: clear, white, black, grey, concrete grey, beige Packaging: 10.1 fl.oz. Cartridge
Shelf Life	12 months in unopened packaging in a cool and dry storage place at temperatures between 41°F (5°C) and 77°F (25°C)	12 months in unopened packaging in a cool and dry storage place at temperatures between 41°F (5°C) and 77°F (25°C)
Surfaces	Type: all usual building surfaces State of Surface: clean, dry, free of dust and grease Preparation: prime porous surfaces with Primer 150 (consult Soudal Primer table), no primer required for non porous surfaces. The use of Soudal Surface Activator on smooth surfaces will improve the adhesion of Soudal RTV 50. We recommend a preliminary compatibility test, especially on PVC and powdercoated materials	Type: all usual building surfaces State of Surface: clean, dry, free of dust and grease Preparation: prime porous surfaces with Primer 150 (consult Soudal Primer table), no primer required for non porous surfaces. The use of Soudal Surface Activator on smooth surfaces will improve the adhesion of Soudal RTV GP.
Joint Size	Minimum width: 1/16 inch (5mm) Maximum width 1 - 1/2 inch (30mm) Minimum width: 1/16 inch (5mm) Recommendation: 2 x depth = width	Minimum width: 1/16 inch (5mm) Maximum width 1 - 1/2 inch (30mm) Minimum width: 1/16 inch (5mm) Recommendation: 2 x depth = width
Application	Method: caulking gun Application temperature: 41°F (5°C) to 95°F (35°C) Clean: with white spirit immediately after use Finish: soapy water before skinning Repair: with Soudal RTV 50	Method: caulking gun Application temperature: 41°F (5°C) to 95°F (35°C) Clean: with white spirit immediately after use Finish: soapy water before skinning Repair: with Soudal RTV GP
Health- and Safety Recommendation	Apply the usual industrial hygiene. Consult the label for more information	Apply the usual industrial hygiene. Consult the label for more information
Remarks	Do not use on natural stones like marble, granite, ... (staining effect). Use SMX sealants for these applications. Not recommended for use on PC and PMMA because it can cause crazing (stress cracking) in these materials.	Do not use on natural stones like marble, granite, ... (staining effect). Use SMX sealants for these applications. Not recommended for use on PC and PMMA because it can cause crazing (stress cracking) in these materials.