

Neutral silicone Perfect

Low-emission, highly adhesive and versatile sealant for expansion joints in indoor and outdoor areas. Specially designed for window glazing and sanitary applications

- The silicone sealant is MEKO-free and is therefore classified as low-emission and environmentally friendly and has been awarded the EMICODE EC1 Plus label
- Meets the requirements for window glazing in accordance with DIN 18545, Part 2, Sealant Group E
- Excellent adhesion to wood, metals and many plastics
- Excellent compatibility with most commercially available paint and glazing coatings
- Building material class B2 according to DIN 4102
- Does not have a tacky surface
- High degree of abrasion resistance and good smoothing properties
- Permanently elastic
- Short pulled thread



Chemical basis	Neutral crosslinked silicones, oxime-based
Min. skin-formation time	10 min
Continuous motion absorption	25 %
Shore A hardness	28
Ultraviolet resistance	Yes
Min./max. temperature resistance	-40 to 180 °C
Min./max. processing temperature	5 to 40 °C
Full curing speed/conditions	2 mm/d/23 °C and 50% relative humidity
Shelf life from production	18 Month

Container	Density	Contents	Colour	Art. no.	P. Qty.
Bag	1.04 g/cm ³	300 ml	Transparent	0892 512 1	20
Bag	1.04 g/cm ³	600 ml	Transparent	0892 511 1	20
Bag	1.26 g/cm ³	300 ml	White	0892 512 2	20
Bag	1.26 g/cm ³	600 ml	Anthracite	0892 511 15	20
Bag	1.26 g/cm ³	600 ml	Black	0892 511 12	20
Bag	1.26 g/cm ³	600 ml	Concrete grey	0892 511 14	20
Bag	1.26 g/cm ³	600 ml	White	0892 511 2	20
Cartridge	1.04 g/cm ³	310 ml	Transparent	0892 510 1	1/24
Cartridge	1.26 g/cm ³	310 ml	Anthracite	0892 510 18	1/24
Cartridge	1.26 g/cm ³	310 ml	Bahama beige	0892 510 10	1/24
Cartridge	1.26 g/cm ³	310 ml	Black	0892 510 12	1/24
Cartridge	1.26 g/cm ³	310 ml	Brilliant white	0892 510 17	1/24
Cartridge	1.26 g/cm ³	310 ml	Brown	0892 510 7	1/24
Cartridge	1.26 g/cm ³	310 ml	Concrete grey	0892 510 4	1/24
Cartridge	1.26 g/cm ³	310 ml	Copper beech, Cherry	0892 510 9	1/24

Container	Density	Contents	Colour	Art. no.	P. Qty.
Cartridge	1.26 g/cm ³	310 ml	Dark brown	0892 510 6	1/24
Cartridge	1.26 g/cm ³	310 ml	Hornbeam, Spruce, medium	0892 510 16	1/24
Cartridge	1.26 g/cm ³	310 ml	Light ivory	0892 510 11	1/24
Cartridge	1.26 g/cm ³	310 ml	Manhattan	0892 510 3	1/24
Cartridge	1.26 g/cm ³	310 ml	Oak	0892 510 8	1/24
Cartridge	1.26 g/cm ³	310 ml	Silk grey	0892 510 5	1/24
Cartridge	1.26 g/cm ³	310 ml	White	0892 510 2	1/24

Details/Application

- For window glazing and sealing connection joints in wooden, plastic and aluminium windows.
- Sealing expansion joints for indoor and outdoor use, such as door, wall, floor, ceiling and window ceiling joints and gutters.
- Creating a seal between frame and safety glass. When doing so, it should be ensured that there can be no direct contact between the sealant and the laminated safety glass film.
- Without primer: Wood (varnished, painted – refer to instructions), glass, aluminium (plain, painted, glazed), all types of metal (except lead and copper), enamel, tiles, plastic-coated panels, hard PVC
- With primer: Concrete, aerated concrete, sand-lime brick, clinker, brick, gypsum, plaster

			Neutral silicone Perfekt	Neutral silicone A8 PRO	Neutral silicone	Colour silicone	Silicone acetate wet rooms	Acetate silicone foodstuffs	Acetate silicon
Applications	Indoors								
	1	Window connection joints	++	++		++			
	2	Expansion joints indoors and outdoors	++	++	*	++	+	+	+
	3	Sanitary joints	+			+	+ (1)		+ (4)
	4	Repair of cracks							
	5	Parquet joints	+	+	+	+			
	6	In aquarium construction						++	
	7	Kitchen area	+	+		+		++	
	8	Display cases					+ (3)		
	9	Counter construction	+	+		+		++	
	Outdoors								
	10	Window and door joints	++	++		++			
	Indoors and outdoors								
	11	Window sealing	++	++					
	12	Insulating glazing edge seal							
	13	Natural stone joints				++			
Important technical features		Maximum continuous motion compensation	25%	25%	25%	25%	25%	25%	12.5%
		Skin formation time (23°C/50 rel. air humidity)	Approx. 10 min.	10-40 min	5-8 min		Approx. 20 min.	Approx. 10 min.	Approx. 15 min.
		Full hardening mm/24 hours	Approx. 2	Approx. 2	Approx. 2		Approx. 3	2-3	2-3
		Temperature resistance	-40°C to +180°C	-40°C to +150°C	-40°C to +150°C	-40°C to +120°C	-40°C to +100°C	-40°C to +180°C	-40°C to +120°C
		Application temperature	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C	+5°C to +40°C
		Can be smoothed with (W = water, DG = sealant smoothing agent, T = dry)	DG	DG	DG	DG	DG1	DG	DG

			Neutral silicone Perfekt	Neutral silicone A8 PRO	Neutral silicone	Colour silicone	Silicone acetate wet rooms	Acetate silicone foodstuffs	Acetate silicon
Special character- istics		DIN 18540 External Wall Joints in Building Construction	-	-	-	-	-	-	-
		DIN 18545 Glazing in Window Construction	+	+	-	-	-	-	-
		Odourless/low odour	-	+	-	+	-	-	-
		Recoatibility 2	-	-	-	-	-	-	-
		Coating compatibility 2	+	+	+	+	+	+	+
		Fungicidal properties	-	-	-	+	+	-	-
		Silicone free	-	-	-	-	-	-	-
		Can be sanded	-	-	-	-	-	-	-
		Adhesion to wet surfaces	-	-	-	-	-	-	-
		Bitumen compatibility	-	-	-	-	-	-	-
		Resistant to UV, weathering and ageing	+	+	+	+	+	+	+
		Suitable on tension-relieved polycarbonate glass (PMMA)	-	-	-	-	+	-	-
Explanation of symbols: ++ = very good suitability + = well suited - = not suitable 1 = not the crystal-clear version 2 = preliminary tests required 3 = only crystal-clear version 4 = not for swimming pools * = only indoors									

			Window and façade- tight	Natural stone sealant 4 in 1	Painter's acrylic	Acrylic sealant	Parquet acrylic	SMP sealant
Applications	Indoors							
	1	Window connection joints	++		+			++
	2	Expansion joints indoors and outdoors	+	++	+			+
	3	Sanitary joints		++				
	4	Repair of cracks			++	++		
	5	Parquet joints					++	+
	6	In aquarium construction						
	7	Kitchen area		+				
	9	Display cases						
	10	Counter construction		+				
	Outdoors							
	11	Window and door joints	++					++
	Indoors and outdoors							
	12	Window sealing						++
	13	Insulating glazing edge seal		2				++
	14	Natural stone joints	++	++				

			Window and façade-tight	Natural stone sealant 4 in 1	Painter's acrylic	Acrylic sealant	Parquet acrylic	SMP sealant
Important technical features		Maximum continuous motion compensation	25%	25%	20%	5%	10%	25%
		Skin formation time (23 °C/50 rel. air humidity)	Approx. 30 min.	Approx. 10 min.	Approx. 10 min.	Approx. 10 min.	Approx. 10 min.	10–15 min
		Full hardening mm/24 hours	Approx. 2.5	Approx. 2.5	1	Approx. 1	Approx. 1	Approx. 2
		Temperature resistance	-40 °C to +90 °C	-40 °C to +220 °C	-25 °C to +80 °C	-20 °C to +80 °C	-25 °C to +80 °C	-40 °C to +90 °C
		Application temperature	+5 °C to +40 °C	+5 °C to +40 °C	+5 °C to +40 °C	+5 °C to +40 °C	+5 °C to +40 °C	+5 °C to +40 °C
		Can be smoothed with (W = water, DG = sealant smoothing agent, T = dry)	DG	DG	W	W	W	DG
Special characteristics		DIN 18540 External Wall Joints in Building Construction	+	-	-	-	-	-
		DIN 18545 Glazing in Window Construction	-	-	-	-	-	-
		Odourless/low odour	+	-	+	+	+	+
		Recoatability 2	+	-	+	+	+	+
		Coating compatibility 2	+	+	+	+	+	+
		Fungicidal properties	-	+	-	-	-	-
		Silicone free	+	-	+	+	+	+
		Can be sanded	-	-	-	-	+	+
		Adhesion to wet surfaces	-	-	-	-	-	-
		Bitumen compatibility	-	-	-	-	-	-
		Resistant to UV, weathering and ageing	+	+	+	+	+	+
		Suitable on tension-relieved polycarbonate glass (PMMA)	-	-	-	-	-	-
Explanation of symbols: ++ = very good suitability + = well suited 1 = not the crystal-clear version 2 = preliminary tests required 3 = only crystal-clear version 4 = not for swimming pools * = only indoors - = not suitable								

Instructions

Please observe the „General Notes on Application for Sealants“ and „Construction Material Compatibility of Würth Sealants“ overview sheet.

Proof of performance

Meets the requirements of DIN EN 15651 Parts 1/2/3 Sealants for façade elements/glazing/sanitary joints

- Fire behaviour: Class E
- Stability under load: < 3 mm
- Volume loss: < 10%
- Adhesion/expansion under pre-stress after being immersed in water: Passed
- Adhesion/expansion on exposure to heat, water and artificial light: Passed
- Elastic recovery: ≥ 70%
- Tensile stress value for tensile behaviour: < 0.4 MPa



Notice

The colour display is for guidance only. For an exact colour selection, please use our colour sample cards.

Neutral silicone Perfect is not suitable for adhesive bonding or filling hollow spaces. Complies with building material class DIN 4102. Due to the large number of existing paint and glazing formulas, especially on alkyd resin paints, oil-based coatings and powder-coated aluminium, it is necessary to perform your own tests. Remove excess smoothing agent on the glass and frame. Otherwise there is the risk of streaking. Risk of yellowing on contact with white alkyd resin paints cannot be excluded. The transparent colour is adjusted to be milky/cloudy. When hardening, neutral silicone Perfect gives off an odour typical of silicone. This odour can no longer be smelled once the hardening process is complete. Colour adjustment: matt. Silicone surfaces should not be cleaned with non-abrasive cleaning agents and non-etching cleaners.

Silicone has a tendency to discolour in dark areas where there is no UV exposure. Avoid contact with VKP tape. After skin formation, do not spray any liquid (e.g. sealant smoothing agent or water) onto the joint as spots may form.

If smoothing agent/water is used, it may only be used before the time to form the skin and must be removed completely with a smoothing tool after application. Excess amounts next to the joint must also be removed immediately. Otherwise, there is a risk of staining.

For materials and materials that come into contact with the sealant even after processing, the user must clarify whether their ingredients or evaporation may not cause impairment or change (e.g., discolouration) the sealant joint. To determine the precise colour, use sample card art. no. 5995000400

The usage instructions are recommendations based on the tests we have conducted and our experience; carry out your own tests before each application. Due to the large number of applications and storage and processing conditions, we do not assume any liability for a specific application result. Insofar as our free customer service provides technical information or acts as an advisory service, no responsibility is assumed by this service except where the advice or information given falls within the scope of our specified, contractually agreed service or the advisor was acting deliberately. We guarantee consistent quality of our products. We reserve the right to make technical changes and further develop products.

Related products	Art. no.
Silicone primer 250 ml	0892 170

Related products for	Designation	Art. no.
0892 510 1	Cartridge gun	0891 310 1
0892 510 2	Cartridge gun	0891 310 1
0892 510 3	Cartridge gun	0891 310 1
0892 510 4	Cartridge gun	0891 310 1
0892 510 5	Cartridge gun	0891 310 1
0892 510 6	Cartridge gun	0891 310 1
0892 510 7	Cartridge gun	0891 310 1
0892 510 8	Cartridge gun	0891 310 1
0892 510 9	Cartridge gun	0891 310 1
0892 510 10	Cartridge gun	0891 310 1
0892 510 11	Cartridge gun	0891 310 1
0892 510 12	Cartridge gun	0891 310 1
0892 510 16	Cartridge gun	0891 310 1
0892 510 17	Cartridge gun	0891 310 1
0892 512 1	Cartridge gun	0891 310 1
0892 512 2	Cartridge gun	0891 310 1