

SILIKON NO11

DESCRIPTION SILIKON NO11 is a one-component, acetic acid-free sealant with a neutral curing system. The high quality of the product ensures flexible and durable sealing with excellent adhesion to glass and materials used for manufacturing window frames – painted wood, PVC, powder paint coated and anodized aluminum. The joint is durable and resistant to variable weather conditions, fungi and mould growth, ozone and UV radiation. The product does not cause material corrosion. Available in a wide color range (10 basic colors), but can be manufactured in various custom colors. SILIKON NO11 is easy to use – does not flow down during application and is easy in final treatment.





SILIKON NO11 meets the high requirements of **LEED** and **BREEAM** standards. The latter is at an Excellent Level. The product also obtained positive compliance results with many other regulations regarding the emission of Volatile Organic Compounds (see the table in the Approvals, Certifications section), including Indoor **Air Comfort GOLD**. It is also certified by the Polish National Institute of Hygiene.

APPLICATION SILIKON NO11 is dedicated to the glazing of wooden windows, but also aluminum and PVC ones. It is perfect for sealing façade elements during prefabrication and installation. It can be successfully used in sealing cold stores and containers.

PROPERTIES

Curing type	cross-links with air moisture
Curing system	neutral – oxime
Treatment time [min]	approx. 6
Curing rate [mm /24 h]	2
Application (use) temperature [°C]	From +5 to +40
Thermal resistance (of cured product) [°C]	From -40 to +180
Tension at 100% elongation per ISO 8339 [N/mm ²]	approx. 0.32
Tension at 100% elongation per ISO 37 [N/mm ²]	approx. 0.36
Force at rupture point per ISO 37 [N/mm ²]	1.29
Rupture elongation as per ISO 8339 [%]	>200
Rupture elongation as per ISO 37 [%]	>600
Shore A hardness	27
Density [g/cm ³]	1.02 ±0.01
Volume change as per ISO 10563 [%]	≤6
Fire performance as per ISO 11925	Class E
Run-off resistance as per ISO 7390 [mm]	≤3
Elastic recovery as per ISO 7389 [%]	≥90
Microbiological growth as per ISO 846	0
Efficiency	280 mL is enough to obtain approx. 17 lin. m of joint 4 × 4 mm
Color	according to the chart; custom colors available upon request

APPROVALS, CERTIFICATES

			
DoP 21/U/2018			
PN-EN 15651-1:2013 Sealants for façade elements for indoor and outdoor use; class 25LM, type F-EXT-INT			
PN-EN 15651-2:2013 Sealants for glazing; type G			
PN-EN 15651-3:2013 Sealants for sanitary joints; type XS1			
	 ISO 9001 LL-C (Certification)	Regulation or protocol	Conclusion
		French VOC Regulation	
		French CMR components	Pass
		Italian CAM Edilizia	Pass
		ABG/AgBB	Pass
		Belgian Regulation	Pass
		Indoor Air Comfort	Pass
		Indoor Air Comfort GOLD	Pass
		Blue Angel (DE-UZ 123)	Pass
		EU Taxonomy	Pass
		Version of regulation or protocol	
		Decree of March 2011 (DEVL1101903D) and Arrêté of April 2011 (DEVL1104875A) modified in February 2012 (DEVL1133129A)	
		Regulation of April and May 2009 (DEVPO908633A and DEVPO910046A)	
		DM 23 giugno 2022 n. 256, GURI n. 183 del 6 agosto 2022	
		Ausschuss zur gesundheitlichen Bewertung von Bauprodukten (June 2021)	
		Royal decree of May 2014 (C-2014/24239)	
		Indoor Air Comfort 9.0 of June 2023	
		Indoor Air Comfort GOLD 9.0 of June 2023	
		DE-UZ 123 for "Low-Emission Sealants for Interior Use", (January 2019)	
		Regulation (EU) 2020/852 of the European Parliament and of the Council	

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User warning

The information provided in this Data Sheet is intended to ensure optimal product use, however it does not constitute any grounds for legal liability on the part of the Manufacturer, as the conditions of works performance are beyond their control. The proposed procedures are considered to be common, however each user of this material should make sure, by all means possible, including by inspecting the end product, that the materials provided are suitable for achieving the intended goals. We assume no liability in case of combining this product with products from other Manufacturers. The above data, recommendations and guidelines are based on our best knowledge, research and experience and have been provided in good faith, according to our and our suppliers' policies. The Manufacturer reserves the right to amend the contents in subsequent editions without prior notice to the recipients.

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INSTRUCTIONS FOR USE	The surfaces intended for sealing with SILIKON NO11 need to be clean and dry, free from loose particles. If necessary, use appropriate agents to remove any contamination that could weaken the adhesion to the substrate. We recommend using PROMISET™ Cleaner to clean non-porous surfaces. The applied silicone can be treated with an elastomer putty knife moistened with a PROMISET™ silicone wetting product solution (PROMISET™ – zwilżacz do silikonu). Prior to application, it is advised to perform the adhesion and compatibility tests for sealed surfaces. SILIKON NO11 does not require priming; however, in some cases it may be necessary to use PROMISET™ GRUNTOZMYWACZ G115 or G214.
USAGE CONDITIONS, LIMITS AND SAFETY	See Material Safety Data Sheet (MSDS) for SILIKON NO11
PACKAGING	SILIKON NO11 is available in 280 mL packaging. Collective packaging (carton) contains 15 pcs. The product can be delivered in different packaging, according to individual needs.
STORAGE AND SHELF LIFE	Store in the originally sealed packaging in a dry place at temperatures from +5° to +35°C for a period of no longer than 18 months from the production date. Storage instructions and expiry date provided on the packaging must be strictly followed. Lakma Sat does not guarantee that the product meets the declared performance characteristics after this date.

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