

NOXOR

TECHNICAL SPECIFICATIONS

NOXSILICONE 55



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NAME: NOXSILICONE 55

BRAND: NOXOR

CONTAINER INFORMATION: Available in 5-gallon (18.9L) format

DESCRIPTION

Noxsilicone 55 is an industrial-grade, rubberized, silicone-based sealant designed for roofs and flashings. It is a premium, 100% silicone sealant that remains permanently flexible. Durable and weather-resistant, it provides excellent adhesion to a variety of substrates. Noxsilicone 55 can be used as a sealant when applied according to the conditions and instructions below.

GENERAL USE

The product adheres to EPDM, aged TPO, aged PVC, metal, concrete, modified bitumen, Hypalon, and other roofing substrates. General uses include perimeter sealing around roofs/walls, joints, flashings, fasteners, screws, end covers of metal construction panels, canvas edges, welds, etc. It can only be subsequently coated with silicone.

PRODUCT FEATURES

Characteristic	Detail	Characteristic	Detail
Color	Blanc	Base	100% Silicone
Non-sticky state	30 min	Application temperature	5°C (40°F) to 60°C (160°F)
Curing time	24 hrs	Serving temperature	-51°C (-60°F) to 148°C (300°F)
Top coat	24 hrs	Tear resistance (ASTM D624)	30 ppi
Noticed	Drying time depends on temperature, humidity, and the thickness of the applied layer.	Tensile strength	275 psi
COV	< 3% by weight	Elongation at break	540%
Shelf life	1 an	Type "A" Hardness	30
Cleaning	100% virgin mineral essences or naphtha	High movement capacity	+/- 25%

COVERAGE CAPACITY per 300ml or 10 OZ

Dimension joint	linear foot
¼" x ¼"	24.8
¼" x 3/8"	16.5
¼" x ½"	12.4
½" x 3/8"	8.7
½" x ½"	6.2
¾" x ½"	4.1

CONDITIONS D'APPLICATION

All surfaces must be clean, dry, sound, and frost-free. Apply when the surface and air temperature is between 5°C (40°F) and 60°C (140°F). Do not apply to roofs when the surface temperature exceeds 60°C (140°F). The surface must be completely dry before application. PROTECT THE PRODUCT FROM FREEZING. CAUTION: CONTAINS CRYSTALLINE SILICA. Use only with adequate ventilation. To avoid overexposure, open windows and doors, or use other means to ensure fresh air circulation during application and drying. If you experience eye discomfort, headache, or dizziness, increase fresh air circulation, wear NIOSH-approved respiratory protection, or leave the area. If adequate ventilation is not possible, wear NIOSH-approved particulate respirators. Follow the respirator manufacturer's instructions for its use.

APPLICATION PROCEDURE

For best results, remove dust, dirt, and contaminants using a degreaser such as NoxCleaner. Surfaces must be clean and completely dry before application.

GENERAL APPLICATION AND TOOLING PROCEDURE: Cut the joints of the walls and other surfaces beforehand. Then, pour some of the contents of the container directly onto the surface to be covered. Next, spread the silicone using a 2-foot squeegee, ideally. Finally, smooth the surface with a 3 cm paint roller. Cover all surfaces with a 1/8-inch layer.

METAL COATING / JOINT DETAIL AND APPLICATION ON FLASHING, IMPORTANT: Ensure that all joints are securely fastened and that any loose screws are tightened or replaced before applying NoxSilicone 55.

COVERING DETAILS FOR JOINTS/JOINTS: In case of excessive roof movement around openings, joints, fasteners, or any spacing greater than 1/8 in., you must fasten them together at the required spacing and ratio in accordance with the literature published by your metal roof manufacturer, to ensure an uninterrupted substrate.

Allow 30 minutes for partial hardening and 24 hours for complete hardening at 21°C (70°F) at 50% relative humidity.

GUARANTEE

Noxsilicone 55 and the NOXOR company guarantee the Noxsilicone 55 product against any defects in materials and workmanship for one year following installation. Under this guarantee, we will provide, free of charge, a sufficient quantity of Noxsilicone 55 to replace any surfaces/areas that prove to be defective. This guarantee applies only if the application was carried out in accordance with our application instructions.

15-YEAR LIMITED WARRANTY. This limited warranty is exclusive to the purchaser of the product. Under no circumstances will Noxor/NoxSilicone 55 be liable for any special, incidental, indirect, punitive, or other damages arising out of the use or performance of the product. Because application methods and site conditions may affect performance, NoxSilicone 55 and the Noxor Company make no other warranties, express or implied, including warranties of merchantability or fitness for a particular purpose, with respect to the product. NOXSILICONE 55 AND THE NOXOR COMPANY HEREBY DISCLAIM ALL OTHER WARRANTIES MADE BY A THIRD PARTY.