

NEXA SILICONE MODIFIED

Modified silicone membrane, water- and solvent-free, designed for waterproofing

Description:

NEXA SILICONE MODIFIED is a liquid membrane made with advanced silicone technology, designed for waterproofing and protecting surfaces. Its water- and solvent-free formulation delivers superior flexibility, excellent adhesion, and high resistance to extreme weather, ensuring long-lasting durability and protection for treated structures.

Approved Uses

Waterproofing and protection for:

- Roofs and coverings:
 - Flat and sloped roofs.
 - Walkable and non-walkable surfaces.
 - Inverted roofs and those exposed to UV rays.
 - Roofs with screed systems (heavy or glued).
- Specific materials:
 - Polyurethane foam.
 - Modified bitumen membranes (smooth or granular surfaces).
 - Metal, PVC, TPO, and EPDM roofs.
- Surfaces with acrylic coating. • Moderate-use areas:
 - Roof terraces with moderate foot traffic, accessible for maintenance.

Compatible Substrates

Concrete, plaster, wood, cement, mosaic, fiber cement, tiles, and metal surfaces. Surfaces restored with acrylics, asphalt emulsions, or EPDM.

Limitations

- Low puncture resistance, making it unsuitable for high-traffic areas.
- Compatible with acrylic paint, as long as the paint remains sufficiently flexible. It is recommended to run preliminary tests before application.
- For unknown substrates, test beforehand or consult the company's Technical Department.
- Avoid applying on surfaces with standing water or excessive moisture; ensure the surface is as dry as possible.
- In cases of application on porous substrates, pre-seal the surface with a primer.

Approved Uses

- UV-resistant and built to handle extreme weather conditions.
- Perfect for spots where water tends to pool, like patios and flat roofs.
- Delivers even coverage and helps prevent cracks after curing.
- Lower carbon footprint: By reducing energy use for climate control, it indirectly cuts greenhouse gas emissions.

- Sustainable resource use: With a long-lasting membrane, you'll need fewer replacements and less maintenance, which supports greener practices.

Application

- Requires a surface that's smooth, clean, dry, and as solid as possible.
- Absorbent surfaces: Mineral and wood surfaces should be cleaned mechanically.
- Metals: Remove rust and old paint mechanically.
- Plastics: Sand to roughen, then clean with solvent.
- Bituminous surfaces: It's best to use a primer on these areas.
- Use suitable primer for PVC roofs, and it's also recommended for TPO roofs.
- For areas with significant movement, active cracks, or supports, reinforce with EPDM tape backed by polyester fabric using a sandwich technique.
- Apply with a brush, roller, or notched trowel.
- Membrane is touch-dry after 6 hours; repainting is advised between 24 and 48 hours.
- Don't wait more than 48 hours between coats—if you do, use NEXA PRIMER PU 2K.
- Once opened, we recommend using all of the product in the container.

Advantages

- Simple to apply.
- Outstanding adhesion, even on damp or new concrete, provided the surface is free of water.
- Ready to use.

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WATERPROOFING & PROTECTION

Cleaning

- Tools should be cleaned with organic solvent right after use.
- Fully cured material can only be removed mechanically.

Packaging

This product is available in 6 kg and 20 kg containers.

Colors

White (RAL 9010) and Gray (RAL 7040).

Container Stability

12 months if stored dry, between 5 °C and 25 °C.

Transport, Precautions & Storage

Please refer to the safety data sheet.

The information provided is intended as guidance and reference, based on lab tests and our current expertise. Site conditions may vary and affect the given details; therefore, our warranty applies only to the supplied product. For any questions, please contact us.

Membrane technical specifications

KEY FEATURES	PERFORMANCE
Service Temperature	-20 °C to +80 °C
Shock Temperature	120 °C
Hardness	Shore A 35 - 45
Tensile Strength	0.7 MPa
Elasticity Percentage	>300%
Fatigue Movement Resistance	Approved
Bond strength to concrete	>1.5 MPa
Estimated minimum service life	W3 / 25 years

Liquid product technical data

KEY FEATURES	PERFORMANCE
Viscosity	20,000–40,000 cP Brookfield s4, 6 RPM
Specific weight	1.4 g/cm ³
Recoat time	24–48 hours
Tack-free at 77°F and 55% RH	6 hours

For more details about our products and systems, or to download technical documentation or safety sheets, please visit our website or get in touch with us.

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