

NEXA SILICONE MODIFIED

Modified silicone membrane, 98% solids for waterproofing and protection

Description:

NEXA SILICONE MODIFIED is a liquid membrane based on modified silicone, developed with advanced technology for waterproofing and surface protection. Its 98% solids composition provides superior elasticity, excellent adhesion, and high resistance to extreme weather conditions, ensuring durability and protection for treated structures.

Approved Uses

Waterproofing and protection of:

- Roofs and coverings:
 - Flat and sloped roofs.
 - Walkable and non-walkable roofs.
 - Inverted roofs exposed to UV rays.
 - Roofs with underlayment systems (heavy or bonded).
- Roofs and coverings:
 - Polyurethane foam.
 - Modified bitumen membranes (smooth or granulated surfaces).
 - Metal, PVC, TPO, and EPDM roofs.
 - Surfaces with acrylic coatings.
- Moderate use areas:
 - Moderately walkable and maintenance-accessible roof terraces.

Approved Substrates

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

Limitations

- Low resistance to puncture, making it unsuitable for high-traffic areas.
- Compatible with acrylic paint, provided the paint has sufficient elasticity. Preliminary tests are recommended before application.
- For unknown substrates, prior testing or consultation with the company's technical department is advised.
- Avoid application on surfaces with standing water or excessive moisture.

Advantages

- Easy to apply.
- Excellent adhesion even on damp or green concrete, provided the surface is water-free.
- Ready to use.
- Resistant to UV rays and extreme weather conditions.
- Ideal for areas with high water accumulation, such as terraces and flat roofs.

- Ensures uniform coverage and prevents cracks after curing.
- Sustainability:
 - Reduces energy consumption for climate control, indirectly lowering greenhouse gas emissions.
 - Extended membrane durability reduces the need for replacements and maintenance, promoting sustainable practices.

Application

- Requires a smooth, clean, as dry and solid as possible substrate.
- Absorbent Surfaces: Mineral and wood surfaces should be mechanically cleaned.
- Metal Surfaces: Corroded parts and paint residues must be mechanically removed.
- Plastics: Sand to roughen the surface and clean with a solvent.
- Bituminous Surfaces: A primer is recommended for this type of surface.
- PVC Roofs: Use a suitable primer; also recommended for TPO roofs.
- Reinforce Specific Areas: Such as high-movement supports, active cracks, etc., using EPDM tape reinforced with polyester fabric in a sandwich system.
- Application can be performed with a brush, roller, or notched trowel.
- Touch dry after 6 hours; recoating is recommended between 24 and 48 hours. Do not exceed 48 hours between layers; if this happens, use NEXA PRIMER PU 2K.
- Once opened, it is recommended to use the entire container contents.

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WATERPROOFING AND PROTECTION

Cleaning

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

Presentation

Available in 1 and 5-gallon containers (3.79 to 18.93 liters).

Colors

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

Container Stability

12 months in a dry place between (5°C and 25°C).

Transportation, Preventive measures and Storage

Refer to the safety data sheet.

The information provided serves as a recommendation based on laboratory tests and our current knowledge. Different conditions on construction sites may result in variations from the given information; therefore, our warranty is limited to the supplied product. For any questions, please contact our technical department.

Technical Data of the Liquid Product

CONCEPTS	RESULTS
Viscosity	13,000–26,000 cSt / 20,000–40,000 cP
Specific Weight	1.5 g/cm ³ (0.05 lb/in ³)
Recoat Time	24–48 hours
Touch Dry Time (77°F, 55% RH)	6 hours

Technical Data of the Membrane

CONCEPTS	RESULTS
Service Temperature	–5 °F to 180 °F (–20 °C to +80 °C)
Shock Temperature	250 °F (120 °C)
Shore Hardness (A)	35–45
Tensile Strength	260 psi (18 kg/cm ²)
Elasticity	>300%
Fatigue Movement Resistance	Suitable
Adhesion to Concrete	220 psi (15.5 kg/cm ²)
Estimated Minimum Lifespan	W3 / 25 years

For more information about our products and systems, as well as technical documentation downloads or safety data sheets, please visit our website or contact us.

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