

NEXA SILICONE

Liquid silicone MS membrane for waterproofing and protection

Description:

NEXA SILICONE is a 98% solids pure polymer produced with the latest technology and has excellent properties and low odor and VOC. Ready to use with an excellent adhesion to almost all surfaces, UV-resistant, glossy, and with an elastic structure. It is used as an exterior insulation material on terraces, roofs, balconies, and wet areas, as well as on concrete, plaster, wood, and metal surfaces. It is also applicable on surfaces where spray polyurethane has been used for thermal insulation.

Approved Uses

Waterproofing and protection of:

- Roofing suitable exposed to UV.
- Roof with a heavy underlayment system.
- Roof with a glued underlayment system.
- Pedestrian walkable roof.
- Inverted roof.
- Protection for polyurethane foam.
- Metal roofs.
- Tpo roofs.
- Smooth surface-modified bitumen membranes.
- Granulated surface-modified bitumen membranes.
- Pvc roofs.
- EPDM roofs.
- Acrylic coating roofs.
- Flat and sloping roofs.
- Roof terraces (moderately transmissible, accessible for maintenance).

Supported Substrates

Concrete, plaster, wood, cement, mosaic, fiber-cement, tiles, rehabilitations of acrylics and asphalt emulsions, EPDM, and metal surfaces.

Limitations

- Low puncture resistance: making them unsuitable for trafficked areas.
- The product is compatible with acrylic paint, provided it exhibits sufficient elasticity. Nevertheless, we advise conducting a preliminary test before application. Any unfamiliar materials should be tested beforehand or consulted with our Technical Department.

Advantages

- Easy application.
- Excellent adhesion even on damp or green concrete. With a water-free surface.
- Ready to use.
- Special very low shrinkage.
- Are durable and withstand ultraviolet radiation well.
- Resistance to ponding water.
- Odorless.
- Low VOC.



- Have excellent resistance to the elements and weather.
- Suitable for a variety of substrates and applications.
- High adhesion on most substrates.

Application

- Requires a smooth, clean, dry substrate without residual moisture and as solid as possible.
- Absorbent surfaces: Mineral and wooden surfaces must be cleaned mechanically.
- Metals: Remove corroded parts and any traces of paint mechanically.
- Plastics: Sand to roughen these materials and clean with a solvent.
- Bituminous surfaces: It is recommended to apply a primer to this type of surface.
- Use a primer suitable for PVC roofs, and it is also recommended for TPO roofs.
- Application with a brush, roller, or notched trowel.
- The recoat time is between 12-24 hours.
- Surface drying time at 77°F and 55% RH is 24-48 hours.
- It is recommended not to allow more than 48 hours between coats, in which case NEXA PRIMER PU 2K should be used.
- Reinforce specific points, and substrates with significant movement, active cracks, etc. by using PDM tape reinforced with polyester fabric in a sandwich system.
- Once opened, we recommend using the entire container.

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WATERPROOFING AND PROTECTION

Cleaning

- Tools must be cleaned with organic solvent, immediately after use.
- The fully cured material can only be removed by mechanical means.

Presentation

The product is available in containers of 1 and 5 gallons.

Colors

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

Container Stability

12 months in a dry place between 41°F to 77°F.

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 membrane

CONCEPTS	RESULTS
Service temperature	-8°F to 180°F
Shock temperature	250°F
Hardness	Shore A 35 - 45
Tensile strength	261 psi
Elasticity percentage	>300%
Fatigue movement resistance	Pass
Adhesion to concrete	218 psi
Estimated minimum lifecycle	W3 / 25 years
Climate zone	S / Severe

Technical data of the liquid product

CONCEPTS	RESULTS
Viscosity	12000-16000 cSt
Specific weight	0.08 lb/in ³
Repainting	12-24 hours
Surface dry time at 77°F and 55% RH	24-48 hours



*laboratories working with us.

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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