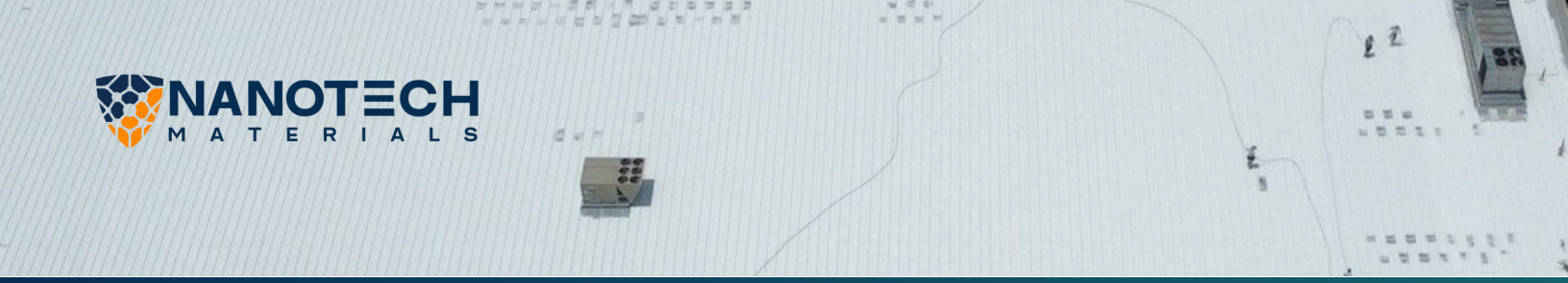

NanoTech Materials Roof Sealant

Acrylic Latex Elastomer

DESCRIPTION:

NanoTech Materials Roof Sealant is a versatile sealant that adheres effectively to primed or painted metal, thermoplastics, asphalt, polyurethane foam, and concrete surfaces. Its high thixotropic properties and elevated viscosity allow it to bridge gaps efficiently, making it an excellent choice for challenging waterproofing applications.

USAGE:

To bridge larger gaps, NanoTech Materials Roof Sealant can be combined with approved roofing fabric. Apply only to clean, dry surfaces at temperatures above 45°F. Avoid application if rain is expected. Cured NanoTech Materials Roof Sealant offers excellent resistance to hydrocarbons, acids, bases, and industrial pollutants.

OUTSTANDING FEATURES:

- High chemical resistance
- Easily applied with minimal tools
- Ready to coat within 24 hours
- Application tools can be cleaned with water

COATING SYSTEM DETAILING:

Apply to all penetrations, voids, openings, and seams (metal roofs). Clean the surface and remove all loose debris. Use a brush or trowel for application. Fully embed the fabric into NanoTech Materials Roof Sealant, ensuring it is saturated and sealed, extending at least 2 inches beyond the fabric.

MAINTENANCE:

Damaged areas should be cleaned and free of loose debris. Apply with brush or trowel over area to be sealed and repaired. Fully embed fabric into NanoTech Materials Roof Sealant. Saturate and seal fabric with NanoTech Materials Roof Sealant extending beyond the fabric by a minimum of 2 inches.

APPLICATION:

Approximate spread rates for different applications of NanoTech Materials Roof Sealant on metal roofs:

- Application rate for vertical seams is approximately 1/3 gallon per 100 lineal feet to “force-feed” an approximate 1” wide line of the caulk into the narrow gap. Or, about 1/10 gallon of NanoTech Materials Roof Sealant per 100 square feet of roof surface to be coated.
- All horizontal and ridge cap seams, as well as large holes and gaps, shall be sealed with 4” polyester cloth embedded between two coats NanoTech Materials Roof Sealant. The spread rate for this 6” wide line of caulk/fabric/caulk is approximately 4 gallons of NanoTech Materials Roof Sealant per 100 lineal feet. Or approximately 1/4 to 1/2 gallon of caulk per 100 square feet of roof surface to be coated.

Fastener heads, as well as small holes and gaps, may be bridged with NanoTech Materials Roof Sealant without the use of polyester cloth. The application rate for this procedure is approximately 1/8 gallon per 100 square feet of roof surface to be coated.

PRECAUTIONS:

- Optimum application window is when ambient temperature is above 45°F and relative humidity is below 85%.
- Do not apply to wet surfaces or when inclement weather is present.
- Do not apply when gross ponded water is present, the existing roofing system is suspected of holding moisture or the roof area does not shed water effectively.
- See Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for professional use by trained and approved applicators only.

TECHNICAL DATA

Solids (wt.)	81%
Solids (vol.)	73%
Wt./gal	12.5 lbs.
Elongation (ASTM D 412)	325%
Vehicle Type	100% Acrylic
Pigment/Vehicle Ratio	1.97/1
Viscosity	150,000 cps
Cold Flex (ASTM C 711)	Pass Service
Pass Service Temperature	- 45°F to 250°F