



NanoTech Materials TriSeam

Sprayable Fiber Reinforced Seam Sealer

NanoTech Materials TriSeam is a high quality, plasticizer free, water-based, 100% acrylic, fiber-reinforced, highly flexible seam sealer for roof seams. Its unique formulation allows the product to be pumpable and still maintain a high film build, and is designed to provide a long-lasting flexible membrane that will retain flexibility even in the harshest climatic conditions. TriSeam offers excellent adhesion to aged single-ply including TPO, PVC, EPDM, and Mod Bits, and has the unique ability to “breathe,” providing a completely watertight membrane while allowing trapped moisture to escape.

RECOMMENDED USES:

NanoTech Materials TriSeam is intended as an alternative to fabric and coating used on seams, flashing details, and penetrations.

TECHNICAL DATA:

Property	Test Method	Result
Elongation	ASTM D-370	275% ±25
Tensile Strength	ASTM D-2370	525 psi ±25
Perms	ASTM D-1653	7
Solids Volume	ASTM D-1644	55% ±2
Solids Weight	ASTM D-370	65% ±2
VOC	ASTM D-624	< 50 g/Liter
Density	EPA Method 24	11.1 lbs/gal
Temperature Limit	—	0°F to 185°F
Low Temp Flexibility	ASTM D-522	Passes 180° Flex over ½ Mandrel @15°F

COLORS / PACKAGING & SHIPPING INFORMATION:

Color: Gray

Container Size	Shipping Class
55 Gallon drum (208.2 liters)	Class 55
5 Gallon pail (18.9 liters)	Class 55

SURFACE PREPARATION:

General: Surfaces to be coated should be dry, free of dust, dirt, oil, loose granules, gravel, peeling coating, and other foreign matter.

COVERAGE RATE:

Apply NanoTech Materials TriSeam to all seams at a rate of one gallon to eighty linear feet 3” wide. This will result in 44 dry mils.

APPLICATION:

This product may be sprayed or brushed on a clean, dry surface. Apply as a sealant for roof seams. Apply enough material to completely cover the seam and 1.5 inches on either side.

Application Properties

Property	Value
Yield (1 gal to 80 linear ft of seam 3" wide)	80 wet mils (44 dry mils)
Dry Time (75°F, 50% humidity)	5 hours
Recoat Window	>8 hours
Complete Cure	24 hours

ENVIRONMENTAL CONDITIONS:

This product cures by water evaporation only. The product must not be applied when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before the product dries. In high humidity conditions, late afternoon applications should be avoided as overnight dew formation on an uncured surface can cause coating wash-off.

LIMITATIONS:

The surface must be clean and dry. Application is not recommended where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of NanoTech Materials TriSeam requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended for use as a thermal barrier.

MAINTENANCE:

Damaged areas should be cleaned and free of loose debris. NanoTech Materials Cool Roof Base Coat or NanoTech Materials Roof Sealant should be applied.

PRECAUTIONS:

- Do not apply when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours.
- Avoid applying to wet surfaces or during inclement weather.
- Do not apply if there is significant standing water, if the existing roofing system might retain moisture, or if the roof area does not effectively shed water.
- Refer to the Safety Data Sheet (SDS) and container labels for comprehensive health and safety information. This product is intended for use only by trained and approved professional applicators.

SAFE PRACTICES:

This product is designed for professional installation. Before working with this product, you must read and become familiar with the available information on its risks, proper use, and handling. Information sources include but are not limited to SDS and product labels. More resources are available at nanotechmaterials.com or by contacting your NanoTech Materials representative directly.