

NANOCRETE

TECHNOLOGIES

Manufacturer:

NANOCRETE TECHNOLOGIES

Product Description:

Nanocrete NST Cementitious Waterproof wall topping is engineered to deliver compressive strengths up to 6000 psi, also delivering enhanced resistance to surface abrasions. It's ideal for use over ICF, EPS, XPS and OSB using correct Nanocrete NST Procedural methods in single-family, commercial, and multifamily construction, as well as renovation projects. Its crack-resistant surface provides a perfect base for practically any wall material, or can be used as a finished material when coloring is added.

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES: Nanocrete NSTi, Nanocrete NSTo

MANUFACTURER: Nanocrete Technologies

ADDRESS: 11670 Fountains Drive suite 200 Maple grove, MN 55369

TELEPHONE NUMBER FOR INFORMATION: 763.445.9186

SALES CONTACT: Greg Heinen

FAX: 866.601.1868

Website: www.nanocrete.com

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Technical Data:

Compressive Strength:	Typical range of 2500 psi to 6000 psi (Application specific)
'K' Factor:	5.15 Btu/(h·ft ² ·°F) (.7416 W/[m·°C])

Specific Heat:	.222 Btu/(lb·°F) at 85°F (.9301 kJ/[kg·°C] at 29.44°C)
Weight:	At 1", less than 12 lbs./sq.ft.
Dry Density:	140 lbs./ft. ³
Point Loading:	Typical loading of up to 2,500 lbs. on a 1" diameter Square
Surface Burning Characteristics:	Flame spread: 0 Fuel contributed: 0 Smoke density: 0

POTENTIAL HEALTH EFFECTS

EYES: Airborne dust may be irritating to the eyes.

SKIN: Prolonged contact can be drying.

INGESTION: If ingested in sufficient quantity, may cause gastrointestinal upset.

INHALATION: Chronic overexposure to nuisance dust may irritate the lungs and throat.

Nanocrete NSTi and NSTo are inorganic and provide no source of nutrients to sustain mold growth.

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Installation Guide

To ensure that your products are installed correctly, Nanocrete® NST products must be installed by a representative trained by Nanocrete Technologies.

Product Installation Requirements:

1. Before, during and after installation of a Nanocrete product, building interior shall be enclosed and maintained at a temperature above 50°F (10 °C) until structure and sub-floor temperatures are stabilized.
2. Exterior applications must maintain above 50°F (10 °C) and humidity levels below 45%.** The general contractor must provide and maintain correct environmental conditions to keep the building clean and dry, and protect against infestation of moisture from a variety of potential sources.
3. Controlling moisture levels in the building, through appropriate trade sequencing and prevention of potential damage by other trades, is the responsibility of the general contractor.
4. The general contractor must supply mechanical ventilation and heat if necessary. These controls fall under the scope of work of the general contractor — not Nanocrete Technologies or the Nanocrete installer.

**Under the above conditions, 3/8" thick is usually dry in 5 to 7 days. Low temperatures or high humidity will lengthen the drying time. To ensure the most effective bonding possible, the following steps are recommended. Perform additional tests if necessary.

Wall Prep instructions:

1. Clean overlay area and remove loose material, dirt, oil, etc.
2. Spray Nanocrete over existing wall surfaces. Over-spray Nanocrete liquid at a rate of 1 gallon of diluted Nanocrete liquid to 3 parts water. 1 gallon of diluted material will cover approximately 200 square feet. Continue to brush Nanocrete Liquid material until all areas to be covered are saturated. Nanocrete Polymers are non-flammable. Do not freeze. Do not ingest. Over spray and Nanocrete Sealer equipment may be cleaned with soap and water.
3. Minimum Thickness for Nanocrete is 1/8". Maximum depths of up to 1" at a time can be achieved with no additional prep work. However, material must be covered to achieve uniform curing.
4. Once Overlay is applied and finished to project specs, apply Nanocrete Liquid over entire area and allow to soak in. Brush as needed to aid in absorption.
5. Keep the jobsite in a clean and organized condition to avoid any accidental damage to the product after it is applied.

If you have other installation questions please don't hesitate to contact your Nanocrete representative.

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Disclaimer:

Each installation of a Nanocrete® NST product must occur in adherence to the aforementioned specifications. Nanocrete Technologies is not to be held liable for any damages to the product or jobsite if the recommendations above are not followed.

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