



# NANSULATE® HOMEPROTECT CLEAR COAT

Thermal insulation, mold and moisture resistant coating. Interior and exterior use.

### DESCRIPTION:

Clear, nanotechnology-based insulation and mold prevention coating used to insulate building surfaces, such as walls, ceilings, pipes, and more. Color: Translucent (ClearCoat) with matte finish. (Will give glass a frosted look)

### APPLICATIONS:

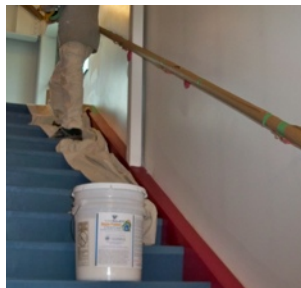
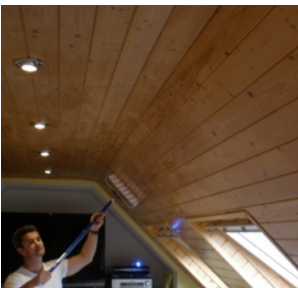
- ✓ Commercial Buildings
- ✓ Homes
- ✓ Government Buildings
- ✓ Warehouses
- ✓ Mobile Homes
- ✓ Storage Enclosures
- ✓ Other Buildings

### BENEFITS:

- ✓ Energy savings - reduces heating and cooling costs.
- ✓ Easy cleanup with soap and water.
- ✓ Space saving – each coat is applied at 3-5 wet mils; a three-coat application will dry to 5-7.5 dry mils.
- ✓ Can be painted over.
- ✓ Can be used over pre-painted surfaces.
- ✓ Resistant to mold and moisture.
- ✓ Provides protection from harmful UV rays.
- ✓ Increases energy efficiency of homes and buildings easily, without major renovations.
- ✓ Easily applied by brush, roller or paint sprayer.
- ✓ Does not contain any potentially harmful anti-microbial additives or biocides.
- ✓ Non-hazardous, water-based.
- ✓ Exhibits outstanding durability with excellent adhesion to drywall, pvc, wood, concrete, plastic, and many more substrates.
- ✓ Cost effective, with long-term savings and short payback period.

### ORDERING:

PH: 800-767-3998 or +1 239-254-0346  
Online: [www.nansulate.com](http://www.nansulate.com)



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## PRODUCT DATA:

Theoretical coverage rate	150 S.F. (13.94 Sq.M.) per 3 coats (recommended coverage)
Typical applied coat thickness	3-5 wet mils (76-127 microns) per coat
Typical thickness of 1 coat	2.5 dry mils (63.5 microns)
Typical thickness of 3 coats	7.5 dry mils (190.5 microns)
Typical touch dry time for 1 coat	1 hour
Typical full dry time for 3-coat coverage	72 hours
Typical full cure time for 3-coat coverage	30 days
Shelf life	2 years
VOC content	100 g/L
Viscosity	3500 to 4000 (cps)

## PRODUCT TEST DATA:

Cross Hatch Adhesion - ASTM D-3359	0% 5B, edges remain smooth, no flaking
Pull Apart Strength - ASTM D-4541	2400-2450 psi
Flame Spread/Smoke Developed - ASTM E84	Class A
Mold Resistance Testing (ASTM D5590 & ASTM G21)	Zero or minimal growth
U/V Exposure	Passed 2000 hours
Accelerated Salt Fog Corrosion Test (GM9540P)	Passed 24 cycles, no rust
Permeability	5 perms/inch @ 23 deg C.
Thermal resistance (UNI EN ISO 8990:1999)	28.98% increase in thermal resistance
Thermal flow (watts) (UNI EN ISO 8990:1999)	34.8% decrease in thermal flow through a substrates, measured in watts
Spectrophotometer testing	Allows through 92% visible light (tested on pane glass)

## LIMITATIONS:

- Do not use as a final floor covering.
- Do not install where long-term submersion in liquid or continuous exposure to moisture is a possibility.
- Do not install over poor surfaces, such as those with flaking paint, grease or other contaminates.
- Do not allow exterior application to be subject to rain or condensation for at least 72 hours.
- Do not allow application to be subject to freezing temperatures during first 30 days.

## NOTE ABOUT CURE TIME:

The product reaches its full insulating ability after the cure time of approximately 30 days for a 3-coat coverage is completed. Any testing of thermal abilities should be done only after the cure time has completed. Thermal benefits will typically begin to be seen approximately 2 weeks after application, and will continue to improve as the cure time completes.

## OTHER TESTING:

Product qualified for energy efficiency rebate program for the Government of Mexico by the CFE (Comision Federal de Electricidad - Federal Electric Commission).

## APPLICATION INSTRUCTIONS AND FURTHER INFORMATION AVAILABLE AT [WWW.NANSULATE.COM](http://WWW.NANSULATE.COM).

