

INSTRUCTIONS/USE

Description

NanoTech Anti Graffiti Coating is a clear, thin, protective coating for most surfaces including signs, smooth concrete, metal, wood, and more. It is designed to provide a thin barrier between the graffiti and the surface it's applied to, creating a new, easy to clean surface that prevents the graffiti from ever touching the protected surface underneath. This long lasting barrier between the substrate and graffiti allows the continued removal of graffiti without damage to underlying paint, sign, or the substrate itself.

Surfaces

NanoTech Anti Graffiti Coating is perfect for signs including the new diamond reflective highway signs, smooth concrete, metal, wood, plastic and painted surfaces. (Not recommended for use on HDPP or smooth HDPE surfaces.)

Characteristics

Color:	Clear
Finish:	Gloss Only
Vehicle Type:	Solvent Base
Flash Point:	(C Penskey-Martens closed Cup) -9C/15F
VOC:	Less than 100 g/L
Weight per Gallon:	7.36 lb/gallon
Non-Breathable	

Spread Rate

Recommended Spread Rate per coat:

Wet mils: .05 - 1.0

Dry mils: 0.1 - 0.6

Coverage

600-1200 sq. ft./gal (nonporous surfaces)

200 - 400 sq. ft./gal (porous surfaces)

Coverage will vary depending on the porosity and texture of the substrate and application process.

ANTI-GRAFFITI COATING

Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material, using [NanoTech Coatings Surface Prep](#).

Painted or Coated Surfaces, Plastics and Signs

Clean entire surface with [NanoTech Coatings Surface Prep](#) and rinse with fresh water (do not use solvents as this will generally ruin these surfaces). Make sure the surface is clean and dry, and then apply NanoTech Anti Graffiti Coating directly over the surface with the spray method only (rolling or brushing our solvent based coating may cause the paint to smear from the pressure of the roller or brush moving across the surface).

Unpainted Masonry and Concrete

For all porous masonry and concrete make sure the surface is clean and dry. Use [NanoTech Coatings Surface Prep](#) then wash off with water. Once the surface is completely dry, (less than 13% moisture), pre-seal the surface with [NanoTech Quick Seal & Enhance](#) (See NanoTech Coatings Quick Seal & Enhance Data Sheet for complete application instructions) or any good quality water based sealer.

Note: we recommend our Quick Seal & Enhance as it dries in less than 5 minutes which saves on labor and down time. Other sealers can take up to 3 hours to 2 days to dry before application of our Anti Graffiti Coating. For existing graffiti on unpainted surfaces use [NanoTech Graffiti Remover](#) and rinse with fresh water and allow to dry.

Spread Rate

NanoTech Anti Graffiti Coating is best sprayed onto the surface to achieve the best look and proper spread rate, however not all surfaces or locations can be applied by this method. If this is the case; there are two other application options available depending on the configuration of the piece, the location and the desired finish. NanoTech Anti Graffiti Coating can also be rolled or brushed on.

With all methods of application, always cover any adjacent surfaces to keep them free of drips or accidental coating. If applying outdoors, make certain the ambient temperature is between 45° F and 105° F, RH 90% or less, and that there is no chance of rain for a minimum of 5 hours after the estimated time of completion of the coating process. Take necessary precautions against natural elements. For diamond prism ink signs, the signs must be sprayed and laying flat or ink will run.



INSTRUCTIONS/USE

ANTI-GRAFFITI COATING

Application Instructions

Test Area

Due to the wide variety substrates and the various methods of application and environments, always test NanoTech Anti Graffiti Coating in an inconspicuous location to ensure adhesion and performance. There will be a slight enhancement or change in appearance from the natural surface in addition to a gloss look. (Never roll or brush on painted surfaces or signs. Only spray)

Spraying

Shake the NanoTech Anti Graffiti Coating contents thoroughly to re-suspend the nanoparticles that have settled to the bottom. Typically you may find up to a ¼" of nanoparticles settled on the bottom of the can. Make certain to re-shake every 15-20 minutes to ensure the nanoparticles are re-suspended to ensure proper performance of the NanoTech Anti Graffiti Coating.

When surface preparation is complete and surface is dry and free of dust, begin application using a high volume, low pressure (HVLP) spray gun with a 1.0 size tip and the pressure set at approximately 25 to 30 psi. On a separate piece of cardboard, adjust the spray gun to first spray a test pattern to achieve a 8" elongated pattern approximately 1 ½" wide in the middle without too much liquid coating as to cause any puddling.

Once this spray pattern is achieved and the desired fluid amount is on the test cardboard you are ready to begin. Spray the surface in a cross-pattern; "left to right", then "up and down" at a medium pace approximately 8" to 10" off the surface as this material needs to go on thin. This will provide sufficient coverage and will help prevent voids in the surface. Desired wet film thickness (WFT) is approximately 0.5 to 1.0 mils.

When spraying outdoors, make certain there will be no rain for at least 5 hours after your anticipated completion time. The temperature needs to be between 45°F and 105°F with RH 90% or less. If there is high wind, this will affect the quality of the finish, wind can disrupt the spray pattern from your HVLP and it can contribute to contamination of the finish from blowing dust. Take necessary precautions against natural elements.

To spray small pieces or tight locations, you can use a "Preval" sprayer. This is a small, disposable sprayer that can spray any liquid and holds approximately 6 oz, and is ideal for touch ups as well. Available in the paint department of major home improvement stores, or major paint store chains.

Caution

If using spray application method in an enclosed space, make certain to tent off the area being sprayed with plastic tarps to avoid spray dust from traveling and contaminating other surfaces with overspray. Ensure excessive ventilation for all enclosed areas. Never spray near any open source of ignition such as pilot light flames, or anything that may spark, as this may cause ignition and explosion of the fumes and vapors.

Rolling

Never roll NanoTech Anti Graffiti Coating onto painted signs or surfaces as this may smear the paint. Shake the contents thoroughly to re-suspend the nanoparticles that have settled to the bottom, (typically approximately ¼" of nanoparticles settle). Make certain to re-shake every 15-20 minutes while using to re-suspend these nanoparticles to ensure proper performance of the coating.

Pour the NanoTech Anti Graffiti Coating into a roller pan and completely saturate the roller with the coating. The coating needs to be applied thin, but you also need to ensure that you have fully covered the surface. For smooth surfaces, use a high density, ultra smooth, white foam roller. For rough surfaces, use a 3/8" nap roller (available at most major home improvement stores) apply a coat in a cross-pattern; "left to right", then "up and down" as quickly as possible, making sure there is always plenty of material on the roller so no spots are missed.

Desired wet film thickness (WFT) is approximately 0.5 to 1.0 mils. Do not over work the coating, just move the wet edge over the entire surface as quickly as possible due to how quickly the coating dries. Do not apply more than one coat.

Brushing

Never brush NanoTech Anti Graffiti Coating onto painted signs or surfaces as this may smear the paint. Shake the contents thoroughly to re-suspend the nanoparticles that have settled to the bottom (typically approximately ¼" of nanoparticles can settle to the bottom). Make certain to re-shake and re-suspend these nanoparticles every 15-20 minutes during use to ensure proper performance of the coating.

NanoTech Anti Graffiti Coating needs to be applied thin, but you also need to ensure that you have fully covered the surface. Use a high quality bristle brush for best finish results. Apply the coat in a cross-pattern; "left to right", then "up and down" as quickly as possible, making sure there is always plenty of material on the brush so no spots are missed.

Desired wet film thickness (WFT) is approximately 0.5 to 1.0 mils. Do not over work the coating, move the wet edge over the entire surface as quickly as possible due to how quickly NanoTech Anti Graffiti Coating dries. Do not apply more than one coat.

Dry Time

Drying Time (@ 77 F, 50% RH):

Drying time is temperate, humidity and film thickness dependent.

Touch: 1 hour

Through: 2-3 hours

Full Cure: 7 Days





INSTRUCTIONS/USE

ANTI-GRAFFITI COATING

Work Interruption

Upon drying, treated surfaces can appear similar to untreated surfaces. It is possible areas could remain untreated if work is interrupted. It is advisable to stop application on a corner joint or any other obvious marker so the applicator can begin where the application had previously ceased.

Clean Up

Clean tools and equipment with acetone immediately and flush thoroughly after completion of the application. Once product dries in your spray gun, brush or roller it cannot be cleaned by solvents.

Cautions

- Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection. Fresh air and exhaust should be provided in the work area. If inhaled, move to fresh air. Call physician immediately if physical difficulties occur.
- Wear butyl-rubber gloves and other skin protection to avoid skin contact. In the event of contact with skin, wash skin thoroughly with soap and water.
- Chemical safety goggles or splash shields are required. Do not wear contacts without eye protection. If you get coating in your eyes rinse with fresh water for 15 minutes and seek immediate medical attention.
- If accidentally swallowed rinse mouth with fresh water for 15 minutes and seek immediate medical attention.
- Ensure excessive ventilation when working in enclosed areas.

Care & Maintenance

Use NanoTech Safe Clean to remove the graffiti then rinse with fresh water. Although NanoTech Anti Graffiti Coating is scratch resistant, it is not scratch proof. Do not use abrasive cleansers or abrasive scouring pads. On porous surfaces, spray the NanoTech Safe Clean onto the surface then use a nylon bristle brush to clean completely into all the pores. This process may require repeating a couple of times. An 800 PSI (low pressure) power washer may also be used.

Avoid using high pressure power washers, as repeated use of this method will eventually break down the coating.

If the NanoTech Anti Graffiti Coating is damaged, lightly sand the surface of the coating (not the substrate) with 220 grit sandpaper being careful not to disrupt the substrate. Then reapply the coating. If vandalized with graffiti prior to completion of the 7 day curing time simply wait to clean until the 8th day.

