

# INSTRUCTIONS/USE

## Description

NanoTech Floor Coating is designed to eliminate the need for waxing most all types of hard flooring. NanoTech Floor Coating will seal and coat in one step, providing a thin molecular coating over the surface, which will increase longevity and durability. This in turn provides a low-maintenance, high luster, durable surface which resists most all stains, and scuff marks without the need for waxing.

## Surface

NanoTech Floor Coating is ideal for vinyl, stone, terrazzo, wood, concrete and tile floors.

## Solution

NanoTech Floor Coating protects surfaces against:

- Scuffs
- Stains
- Acid etching
- Eliminates the need for waxing

## Characteristics

Color:	Milky
Finish:	Gloss and Satin
Vehicle Type:	Water Based
Flash Point:	(C Penske-Martens close cup) N/A
VOC:	Less than 100 g/L
Weight per Gallon:	10 lb
Breathable	

# FLOOR COATING

## Testing

TEST:	ASTM: RESULT
Abrasion Resistance:	D-460 25 mg loss
Adhesion	D-33598
Blush 4 hr. dry/18 hr Im- mersion:	Does not blush
Dry Concrete:	Excellent
QUV G-53:	250 hrs.
Wet Concrete:	Excellent
Water Beading:	Beads water
Chemical Resistance (12 hour spot test):	ASTM D-1308-87
Transmission Fluid:	No Effect
Gasoline:	No Effect
Formula 409:	No Effect
Motor Oil:	No Effect
Brake Fluid:	Softens/recovers
10% Hydrochloric Acid:	No Effect
10% Sulfuric Acid:	No Effect
Red Wine:	No Effect
Vinegar:	Blemish/Repairable
Pencil Hardness:	D-3363 5H
Hot Tire Pick-Up:	Passed*



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### Coverage

Coverage: 200 to 1000 Sq. Ft./Gal (approximate). Coverage will vary depending on applicator, the porosity and texture of the surface.

### Surface Preparation

Before applying NanoTech Floor Coating, make certain the areas to be coated are completely clean of oils, dirt, scuff marks. Any loose tiles or sheet vinyl need to be glued, and in sound condition. Use NanoTech Coatings Surface Prep.

### Application Instructions

#### Test Area

Always test NanoTech Floor Coating in an inconspicuous location to ensure adhesion and that the desired look is achieved.

#### Application

Once surface has been properly cleaned and prepared, cover any adjacent surfaces to avoid accidental coating. Inspect and clean one more time to make certain no contaminants got on floor after masking. Shake the contents thoroughly to re-suspend the nanoparticles that have settled to the bottom. Make certain to re-shake every 15-20 minutes to ensure proper re-suspension of the nanoparticles throughout the project. Apply between 50°F and 90°F ambient and substrate temperature. This product can be applied with a pump sprayer or mopped on with a micro fiber applicator.

#### Pump Sprayer

Shake NanoTech Floor Coating thoroughly in order to resuspend the nanoparticles that have settled to the bottom of the container before pouring into the sprayer. Make certain to re-shake every 15-20 minutes to re-suspend the settling nanoparticles and ensure proper performance. Using an acetone/alcohol proof pump sprayer or equivalent, install a grey or red fan tip on the wand as this provides the most even application. It is recommended to keep an even amount of pressure while spraying in order to keep a consistent look. Hook up a compressor and air hose with a quick release to the valve steam on the sprayer and then supply the sprayer with a constant 35 PSI.

Apply with pump sprayer, then dampen a micro fiber mop to spread the material directly behind the sprayer. Maintain a wet edge between passes. This will provide an even flow and finish. Be careful not to apply too thick or allow the product to puddle as this will cause too much surface tension and possible bubbles or delimitation. You can apply a second coat 2 hours later if desired. For more luster, buff with a NanoTech Coatings buffing pad 3 to 4 hours after application.

#### Micro Fiber Applicator

Pour NanoTech Floor Coating in small puddles on the floor surface. Using a slightly water dampened micro fiber mop, spread the coating very thin over the surface, leveling it as smooth as possible. It will continue to self-level as it dries. You can apply a second coat 2 hours later if desired. For more luster, buff with a NanoTech Coatings buffing pad 3 – 4 hours after application.

### Dry Time

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

Drying time is temperature, humidity and film thickness dependent.

Touch: 1 - 2 hour

Through: 3-4 hours for light foot traffic

Full Cure: 3 Days

### Interruption of Work

Upon drying, treated surfaces may 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 flush equipment with water thoroughly immediately at the conclusion of application.

### Caution

Always wear OSHA approved 1910.134 and ANSI Z88 2 respiratory protection. Fresh air and exhaust should be provided in enclosed work areas. If inhaled, move to fresh air and call physician immediately if physical difficulties occur. Wear butyl-rubber gloves and other skin protection to avoid 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. Immediately flush eyes with water for 15 minutes after contact and get medical attention. If accidentally swallowed, rinse mouth thoroughly and obtain immediate medical attention..

### Care & Maintenance

Mop periodically with plain water. Use NanoTech Safe Clean in extra dirty areas then rinse with fresh clean water and mop dry. Never use vinegar to clean the finish as, over time, this will break down the coating. If paint or ink get spilled onto coating simply use, NanoTech Safe Clean then rinse with fresh clean water and dry with mop. Although NanoTech Floor Coating is scratch resistant, it is not scratch proof. Do not use abrasive cleansers or abrasive scouring pads. If an area gets damaged or is mechanically abraded, just reapply over damaged area with micro fiber applicator. No stripping or sanding needed. When surface needs reapplication simply clean floor and reapply.

