

NeverStrip®
FLOOR COATINGS
21st Century Floor Care Technology™

NeverStrip Micron Shield



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Micron Shield is a 21st Century Micron Sealer, which has no PFAS chemicals and is based on a patented, Titanium Phosphate formula. The sealer delivers unsurpassed stain protection for both hard and soft surfaces including carpet, textiles, clothing and all types of flooring (LVT, VCT, Ceramic, Porcelain, Stone, Terrazzo, Concrete, Rubber, etc.).

Micron Shield is totally compatible with the NeverStrip family of Micron Sealers. Micron Shield does not alter or enhance the surface it is applied onto. The sealer does not change the gloss or the color of the surface.

Micron Shield has an added, substantial, ongoing benefit of “cleaning” or “oxidizing” volatile organic compound (VOC) molecules, resulting in odors, such as from cat urine or from sweat in locker rooms or those found in a medical facility. The undesirable volatile organic compounds’ molecules can be oxidized/cleansed by short-lived hydroxyl radicals, which in atmospheric chemistry, by the reaction of excited atomic oxygen with water. The hydroxyl radical is often referred to as the “detergent” of the troposphere because it reacts to many pollutants, often acting as the first step of their removal.

Characteristics

- Based on Micron, Water-Based, Inorganic Technology
- Compatible with all NeverStrip Micron Sealers
- Ready to use, no dilution needed
- Use on soft and hard surfaces (all hard surfaces, carpet, textiles, furniture)
- Superior stain resistance and clean-ability (iodine, betadyne, motor oil, vinegar, etc.)
- Makes surfaces easier to clean and keep clean
- Free of PFAS chemicals
- Does not change a surface’s appearance (sheen or darkness)
- Fast Drying (2 minutes or less)
- Commercial traffic can commence 10 minutes after final application

- No to slight odor
- Best applied on non-porous surface/more applications needed on porous surfaces
- Two applications is typical regardless of surface
- Assists in the ongoing elimination of odors causing VOCs by hydroxyl radicals
- Meets COF standards
- No need to strip during the products normal lifecycle
- Non yellowing
- Removable with abrasion
- Surface can be cleaned/washed without limits
- No need to abrade Micron Shield surface for reapplication (clean and seal)
- Imparts very good hydrophilic properties
- Confers resistance to aqueous soil
- Good release of water and oil-based stains
- Good anti-static properties
- Good abrasion resistance
- No high curing temperatures necessary
- Free of organic halogen compounds inclusive of fluorocarbon compounds
- APEO-Free
- Solvent-Free
- Non-flammable
- Approximate 3.5 - 4.5 pH
- Colorless/transparent

Packaging

- 8 oz bottle
- 16 oz bottle
- 32 oz (Quart) bottle
- 128 oz (Gallon) bottle

Coverage

- 7,000 to 8,000 sq. feet per gallon per application on a non-porous surfaces is typical
- Two applications is generally recommended for hard or soft surfaces

Surface Preparation

- Clean the surface well.
- Remove any water from the surface
- No need to abrade or profile the hard surface

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Caution

The product is sensitive to cold and heat and **must not be stored at temperatures below 5° C (41° F) or above 35° C (95° F)**. Irreparable damage is possible. In the case of suspected cold or heat damage, the usability of the product must be checked before processing.

Product is not freeze/thaw stable

Do not ingest the product

Removal

Product can be sanded off a flooring surface

Cleaning & Maintenance

www.neverstrip.com/cleaning-maintenance

Application

For hard surfaces:

Ready to use, no dilution needed

Apply a light amount or mist like amount of the product with a spray nozzle (trigger sprayer, pump up sprayer, Swiffer type mop with bottle on the stem)

Spread the product immediately with a short nap microfiber pad

Product generally dries for another application in two minutes or less
Work in small areas at a time such as 4' by 4'

Overlap the sections

Cross hatch the second application at a 90 degree angle
Apply product with a temperature range of 45F and 85F

For carpet, textile, in-line applications and hard surfaces if desired:

Ready to use, no dilution needed

The application of Micron Shield on soft surfaces or large areas is a precise and efficient process designed to ensure uniform coverage and maximum performance. The product can be applied using an atomized spray system, **that delivers a consistent 20-micron droplet size**, allowing for fine, even distribution across the surface. The applicator **should maintain 12 to 14 inches from the target material, utilizing a 14-inch spray pattern to achieve full, overlapping coverage**. This method ensures the product bonds effectively to the fibers or surface while minimizing overspray and waste. No microfiber pad is needed with this application technique.

Micron Shield is a ready-to-use formulation that requires no dilution, and it dries quickly under ambient conditions—typically within 1 to 2 minutes, depending on ventilation and humidity. The coverage rate is highly efficient, with one gallon of product treating 7,000 to 8,000 square feet depending on material type and porosity. This fast-drying, high-yield application process makes it ideal for both in-field and factory use across a wide range of hard and soft surfaces.



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