

NeverStrip™
FLOOR COATINGS

NeverStrip UV Resilient Satin™

A NeverStrip Instant Film Coating



NeverStrip UV Resilient Satin

1 of 5

NeverStrip UV Resilient Satin is a high performance, single component, non-yellowing, low VOC, water based, UV light cured urethane coating. This product has been specifically formulated for use on all types of resilient flooring including LVT, VCT and 100% Recycled Vinyl.

UV Resilient Satin is meant for use in demanding commercial applications such as restaurants, schools, community centers, hospitals and long-term care facilities.

Characteristics

- Single component
- No pot life
- Commercial applications generally are recoated every 2-5 years depending on conditions
- Typically, one or two coats
- Full cure with 2 seconds of the recommended UV light dosage
- 15 - 20 gloss reading at 60° angle
- VOC's < 50 g/L
- 30% solids
- Excellent resistance to staining, scuffs, marks, abrasion and scratches
- Interior use only
- Coverage of 800 to 1200 sq ft per gallon per coat
- Wet Slip coefficient >.60 with BOT 3000E Slip Meter
- Resistant to many alcohol based hand sanitizers
- Shelf life 6 months from NeverStrip shipment

Surface Preparation

General: Remove any floor finish, soil, sealers, etc. Just prior to application, vacuum and/or tack the floor with NeverStrip Tack Cloth and protect any adjacent surfaces from the coating with tape, plastic or other appropriate materials prior to application. Allow the floor to totally dry prior to application of the coating. The floor must be totally dry, including in any seams, prior and during application. If the coating is not dry, it can turn white when cured by the UV light.

LVT: Abrade the floor with an oscillating floor machine, such as a Square Scrub, Tom Cat or Boost machine with a NeverStrip EPP pad. Flip the pad every 250 sq ft. Extract with a squeegee wet-vac or auto scrubber.

100% Recycle Vinyl: These floors, such as Protect-All's 100% recycled vinyl flooring, should be wet screened with 150 mesh screen. Flip the screen every 250 sq ft. Extract with a squeegee wet-vac or auto scrubber. A NeverStrip Primer is necessary for adhesion.

Existing Urethane Coating: Abrade with an appropriate sanding screen or pad to produce an even amount of "coating dust" across the floor and where the coating is dull/not shiny after abrasion.

Do not apply UV Resilient Satin onto peeling or loose coatings.

Recoats: The following procedures should be followed to recoat UV Resilient Satin: 1) Deep clean the floor, 2) Quickly abrade the coating with an oscillating floor machine (such as a Square Scrub with a NeverStrip EPP pad 3) Flood the floor with water and extract



NeverStrip UV Resilient Satin

2 of 5

Caution

- Use product within six months of receipt from NeverStrip
- Do not apply product if air or surface temperature are below 50°F or more than 90°F
- Product is a skin sensitizer. Always protect skin from contact with the product by wearing gloves and proper clothing.
- Read the product Safety Data Sheet carefully prior to use.
- Follow all instructions concerning use of the UV Light Equipment, including:
1) wear proper eye and face protection,
2) wear long pants and long sleeve shirt,
3) apply proper 50 spf sun screen protection and follow all UV Light Equipment recommendations without exception.
- Allow the floor to thoroughly dry prior to application of the coating
- Allow the coating to thoroughly dry prior to curing with the UV light equipment.
- Typically, the coating will be properly dry in 60-90 minutes at 72°F and 50% RH, respectively.
- Back roll the product, if desired within 3 minutes of application
- Do not apply the coating onto a floor with a moisture content in excess of 80% RH as measured by an RH probe
- The application of a NeverStrip primer is recommended for more porous flooring when applying the NeverStrip UV Resilient Satin. An example of flooring when a NeverStrip Primer is recommended is 100% recycled vinyl flooring, such as Protect-All Flooring. Contact NeverStrip or a NeverStrip Authorized Dealer for further details. Non porous flooring such as LVT does not typically require a primer.

Application of the Coating

- 1 Stir product well within the can
- 2 Pour product into a 7-gallon NeverStrip black application tub
- 3 Apply product with a NeverStrip supplied, high quality, non shed 1/4" woven or microfiber roller cover
- 4 Apply product in sections 4' * 6' by 1) Spreading product evenly across the width of the section, 2) Spreading the product with a series of large W's, 3) Finishing the section with rolls up and down.
- 5 If desired, within 3 minutes of application, back roll the product (with a separate person with a different roller cover on larger projects). Back rolling is evenly spreading and smoothing out the applied coating by going side to side across the width of a the room. The Back Roller must walk in the recently applied coating. This technique can result in an optimized quality application.
- 6 Upon completion of the floor preparation, allow the coating to dry for 60-90 minutes or until the floor is thoroughly dry. The addition of fans can help with drying the coating before curing. Apply fans after the coating has dried for 30 minutes



Curing of the Coating

- 1** The UV Resilient Satin product is a water-based, UV cured coating. The product is applied and then allowed to totally dry before curing the coating with UV light from a machine with the specified dosage.
- 2** Carefully follow all NeverStrip and the equipment manufacturers safety instructions.
- 3** Two individuals are required to cure the coating with UV equipment (one person needs to monitor the cord).
- 4** 220V and 20 amps are required for stand-up UV machine. Two 110V outlets with a converter box can provide the power.
- 5** The recommended operating speed is 30 feet per minute.
- 6** The recommended stand-up machine is the Jelight JFC412EX.
- 7** Recommended hand-held machines are Jelight JUVC-5E and HID Mako, respectively. This equipment can run off 110V and 20 amps, respectively. These machines are for tight spots and as a back-up.

It is recommended to have both a stand-up machine (typically 12" wide) and a hand-held machine on each project. Larger path machines are available.

Minimum safety equipment to be used on each project include:

- UVA, B, C blocking glasses
- 50 spf sunscreen
- UVA, B, C blocking Face Mask (preferred and an absolute must if lots of work is to be done with a hand-held machine)
- Nitrile Gloves
- Long-sleeve shirt
- Pants covering the whole leg
- Solid footwear



NeverStrip UV Resilient Satin

4 of 5

Technical Data

Liquid Properties:

Main Component: Aliphatic waterbased UV cured urethane

Solids: 30%

VOC: <50g/l

Weight per Gallon: 3.94 kg / 8.69 lb

pH: 7-8.5

Viscosity: 80 cps at 25°C

Odor: Non offending

Clarity: Milky when wet, clear and colorless when dry

Leveling: Excellent

De-foaming: Excellent

Coverage: 800-1000ft²/gallon

Dry Time Before Cure: 1 hour at 75°F and 50% RH

In Use Time: Immediately after UV cure

Number of Coats Needed: 1-2

Cured Properties:

Gloss at 60°: 15-40 depending on surface

Wet Static Coefficient of Friction: >0.6

Taber Weight Loss @1000 revolutions,

CS-17 wheels, 1000g weight: <20 mg

Stain Resistance: Very high

Hand Sanitizer Resistance: Very high

Additional Traction Control: Available

Cleaning and Maintenance

- Clean as needed
 - Clean with a microfiber mop or pad and clean water.
 - For high soil and higher demand environments, periodically allow cleaning solution to reside on floor for 10-15 minutes prior to scrubbing.
 - For best results, clean with an auto scrubber or 175 rpm floor machine and white pad or brush equivalent.
 - **DO NOT BURNISH**
 - **DO NOT DRY SCRUB**
 - **DO NOT USE GREEN PAD OR MORE AGGRESSIVE PAD TO CLEAN THE FLOOR**
 - **DO NOT USE RED PAD WITHOUT WATER ON THE FLOOR**
 - Use proper matting to keep dirt and grit off of the floor.
 - If a haze develops on the coating, then periodically clean with water and alkaline cleaner to remove any excess cleaner build-up.
 - Do not allow standing water to reside on the coating for prolonged periods of time and do not allow saturated mats that do not dry out to be on the coating for extended periods of time.
 - Use a white pad equivalent brush when cleaning a coating with NeverStrip Grip Aggregate or NeverStrip Liquid Grip.
 - Maintain appropriate NeverStrip supplied Floor Protectors to reduce/prevent scratching from chairs, tables and moveable furniture (<http://www.neverstrip.com/cms/wp-content/uploads/2015/10/Product-Catalog-0916.pdf>)
 - Refer to http://www.neverstrip.com/cms/wp-content/uploads/2015/10/Cleaning_Maintenance_Thin_Film_v1.pdf for a more complete Cleaning and Maintenance Guidelines.
- Cleaning and Maintenance

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