



SurfaceShield / SurfaceShield Plus®

FOR PROFESSIONAL USE ONLY

LegendBrandsRestoration.com

*Penetrating, breathable mold- and mildew-resistant barrier**

BACKGROUND

The indoor air quality in any building can degrade quickly after water damages or even while still under construction. In new construction, moisture can enter the building until roofing, walls, doors and windows are completely installed and the air handling system is operational. This moisture can promote mold growth.

These products contain patented technology per US Patent 7,655,281.

Key features of SurfaceShield and SurfaceShield Plus

- Forms a breathable barrier that allows water to evaporate out of wood while blocking mold-supporting nutrients from migrating to the surface.
- EPA-registered preservative to inhibit growth of mold and mildew on the dry surface coating.
- Added protection against future water damage and staining from mold and mildew. SurfaceShield and SurfaceShield Plus will both penetrate into the surface and form a protective polymer barrier that prevents nutrients from rising to the surface, nutrients that would support future mold growth. Because these are penetrating materials, the surface can be scraped, media blasted or sanded without concern of removing the protection.
- Economical, water-thin, low-VOC solution that can be applied with airless sprayer.
- UV tracer. SurfaceShield is not intended to change the appearance of the treated surface. A fluorescent tracer is included in the formulation; use of a black light will show where the product has been applied. A UV source with output at 390–450 nm is recommended. (SurfaceShield goes on clear; SurfaceShield Plus contains a white tint.)
- SurfaceShield has been tested and evaluated by Spears® Manufacturing Company, Inc., and is acceptable for use with Spears® chlorinated polyvinyl chloride (CPVC) products. To learn more, visit <http://parts.spearsmfg.com/Cpl.aspx>. SurfaceShield Plus has not been evaluated for this application.
- White tint: SurfaceShield Plus contains a white tint that helps the technician see where the product has been applied.

SurfaceShield is compatible with a variety of surfaces including wood, paper, concrete and gypsum. It should not be used on load bearing I-joists with OSB webbing. SurfaceShield is suitable for use in residences, commercial and institutional buildings.

NOTES:

- Neither version of SurfaceShield is available for sale in Canada.
- From this point on, all references to SurfaceShield apply also to SurfaceShield Plus.

SITE PREPARATION

- New construction: Remove visible mold from new lumber prior to installation by HEPA vacuuming and/or treatment with a suitable mold removal compound.
- Water damage restoration and remediation: Prior to use, all water leaks must be repaired and any residual standing water removed. Areas with visible fungal contamination or water staining should be removed whenever practical. When removal of water damaged materials is impractical, the surfaces should be HEPA vacuumed and/or treated with a suitable mold removal compound.
- For surface cleaning and stain removal, use of a mold stain remover is recommended.

MOLD PREVENTION

1. Shake or stir well before using. SurfaceShield is sold as a ready-to-use solution and is not diluted. Application with an airless paint sprayer is preferable.
2. Apply at the rate of 250–1,000 sq. ft. per gallon (6–24 square meters/liter) depending on surface porosity.

APPLICATION EQUIPMENT

Airless sprayer, brush or paint roller. If using airless sprayer, avoid atomizing the solution by using a tip with no smaller than a 0.015 orifice. All surfaces must be treated to provide a mold- and mildew-resistant coating. SurfaceShield products provide mold and mildew resistance on the dry coating film.

Sales/Tech support: 800-932-3030 • Technical support: 800-332-6037 • Emergency: 800-535-5053

APPLICATION NOTES

- Surfaces should be free of standing water but need not be completely dry – product can be applied to materials with 11–30% moisture content.
- Treated surfaces can be painted over though adhesion testing is recommended prior to applying paint.
- Both products can be used on a variety of surfaces. Check label directions for specific surfaces to avoid.

SAFETY CONSIDERATIONS

- Keep children and pets away from chemical products, equipment and the work area.
- Read the Safety Data Sheet (SDS) for any chemical product before using it. You can obtain the SDS for ProRestore Products from your distributor or from LegendBrandsRestoration.com
- Be sure electrical equipment including plugs and extension cords are in good condition.
- Be sure to wipe any surfaces where product may have spilled.
- Wash hands after using the product.
- Be sure to use personal protective equipment. Depending on conditions within in the building, this could include hard hats, heavy soled shoes, full protective suits or aprons. Whenever spraying solutions overhead or in the breathing zone, use eye protection, gloves and respiratory protection.

CLEAN UP

- Check all PPE for damage. Repair or replace as needed.
- Clean the outside of the spraying equipment to remove soot and soils. This will help to prevent cross-contamination and will maintain your professional image on the next job.
- Rinse containers and dispensing equipment to remove product residues and waste water. Be sure to dispose waste water properly. Never dispose into surface waters, on the ground or into a storm drain.
- Flush the sprayer with detergent and then rinse with water to remove any product residue. Empty water from the sprayer, especially in cold climates where freezing is possible.
- Wash hands after using the product.

ADDITIONAL REFERENCES

- User Guides and Safety Data Sheets (SDS) for all ProRestore Products are available at LegendBrandsRestoration.com
- Restoration Sciences Academy Certification courses. For location and scheduling of classes, go to LegendBrandsEducation.com.
- For technical support call 800-332-6037
- For medical advice related to exposure to this product, call Infotrac at 800-535-5053 (USA) / 352-323-3500 (worldwide).

SURFACESHIELD TECHNICAL DATA		SURFACESHIELD PLUS TECHNICAL DATA	
Sold as	Five gallon (18.9 L) pail	Sold as	Five gallon (18.9 L) pail
Reorder number	252753000	Reorder number	252763000
Color	Tan	Color	White
Odor	mild	Odor	Mild
Appearance	Translucent liquid	Appearance	Opaque liquid
Specific gravity	1.0	Specific gravity	1.1
Density	8.34 pounds per gallon	Density	9.2 pounds per gallon
pH	8.2	pH	8.2
VOC content	nil	Nonvolatile matter	3%
Storage	Keep from freezing	Storage	Keep from freezing
Water solubility	100%	Water solubility	100%