Nano Shield™
Advanced Clear Floor Finish

NANO SHIELD™ PROFESSIONAL POLYURETHANE

DESCRIPTION AND USES

Nano Shield™ Professional Polyurethane is designed to provide excellent protection for all interior wood projects and floors. It has been specially formulated to provide a hard-wearing and long-lasting protection against water, alcohol, food stains, general household chemicals and detergents. Nano Shield Professional Polyurethane has excellent fast dry time allowing for three coat application in one day. It is ideal for use on interior wood surfaces such as furniture, doors, cabinets, trim, paneling, and floors. It is not recommended for linoleum, vinyl, glazed tiles or metal.

PRODUCTS

Description	1-Quart
Gloss	265482
Semi-Gloss	265484
Satin	265483

PRODUCT APPLICATION

SURFACE PREPARATION

To ensure proper adhesion, surfaces must be clean, dry, and free of dust, dirt, oils and other foreign material. Old finishes should be removed using 150-220 grit sandpaper to obtain a smooth surface. For best results on floors, follow the National Wood Flooring Association (NWFA) accepted sanding procedures. Remove all sanding dust using a vacuum, tack cloth, or cloth dampened with mineral spirits.

Oil or water-based stains can be used prior to application of the polyurethane finish. It is recommended that a sample area be tested for product compatibility. For best results, use Nano Shield™ Fast Dry Floor Stains which can be top coated in 2 hours. When coating over other stains, refer to manufacturer's recommendations. Nano Shield™ Professional Polyurethane can be applied directly over thoroughly cured stain, or a sanding sealer can be applied if desired.

PRODUCT APPLICATION (cont.)

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

APPLICATION

Use in an area with adequate ventilation such as an open garage. Apply only when air (ambient) temperature is between 55-90°F (13-32°C) and relative humidity is below 85%. Lower temperatures and/or high humidity may cause slower dry times and slower dry may also result from applications on redwood, cedar or woods with high oil content, or when applied over some stains. Use full strength. Do not thin. Stir thoroughly before and during use. To prevent bubbles in the finish, DO NOT SHAKE do not over-brush, and do not apply with a roller.

Apply using a Pro Finisher Universal applicator pad or T-BAR pulling in a 'snow plow' fashion. Apply in the direction of the wood grain in smooth, level strokes. Allow the finish to dry 4 hours and then re-coat. Screen the surface or lightly sand between coats. Re-coat only when previous coats have dried clear and feel hard (no longer tacky to the touch). Apply additional coats following directions above. A minimum of 3 coats is recommended. Allow the finish to dry 6 hours before light use. Avoid heavy use for at least 24 hours.

Nano Shield Professional Polyurethane has a slight amber cast. Test in an inconspicuous area before beginning. Testing is particularly important when applying over paints or stains as the appearance may change slightly when an oil-based finish is applied.

CLEAN-UP

Clean application tools and equipment with mineral spirits or paint thinner. Dispose of all unused product properly.

TECHNICAL DATA

Nano Shield™
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NANO SHIELD™ PROFESSIONAL POLYURETHANE

PHYSICAL PROPERTIES

		Nano Shield Professional Polyurethane
Resin Type		Polyurethane
Pigment Type		Silica
Solvents		Mineral Spirits
Weight	**Per Gallon**	7.25-7.32 lbs
	Per Liter	0.87-0.88 kg
Solids	**By Weight**	42-42%
	By Volume	36-37%
Volatile Organic Compounds		< 520 g/l (<4.3 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		1.0-1.5 mils (25-37.5µ)
Wet Film to Achieve DFT (unthinned material)		2.0-3.0 mils (50-75µ)
Theoretical Coverage at 1 mil DFT (25µ)		144-148 sq.ft./qt. (3.5-3.6 m^2/l)
Practical Coverage at Recommended DFT (assumes 15% material loss)		80-125 sq.ft./gal. (2.0-3.0 m^2/l)
Dry Times at 77°F (25°C) and 50% RH	**Touch**	4 hours
	Handle	5 hours
	Recoat	6 hours
Shelf Life		3 years
Flash Point		105° F (41°C)
Safety Information		For additional information, see MSDS

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.

RUST-OLEUM BRANDS

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Form: CS2109
Rev.: 021813