

# DuraSeal® Technical Data Sheet

## DuraSeal® DuraClear™ Max

### DESCRIPTIONS:

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DuraSeal® DuraClear™ Max is a two-component, urethane/acrylic, non-ambering wood floor finish formulated specifically for the demands of commercial and high traffic residential hardwood floors. Its unique technology provides a long wearing commercial grade finish that is the ultimate in durability

- Ultimate Durability
- Non-Ambering
- Low Odor
- Easy Water Clean-Up
- Ultra Fast-Drying

Available in Satin, Semi-Gloss and Gloss.

### RECOMMENDED USE:

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Designed for interior residential and commercial wood floors.

### SURFACE PREPARATION:

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Surface must be dry and free of old finishes in poor condition, paint, wax, grease, polish, dirt and other foreign matter.

**NATURAL FLOORS:** Sand and prepare floor according to NWFA recommended methods. Finish abrading with a 120 or 150 grit pad or equivalent. Do not use steel wool. Vacuum thoroughly and tack floor with a slightly water dampened cloth to remove all dust. Apply 1 coat of DuraSeal® DuraClear™ Sealer and 2 coats of DuraSeal® DuraClear™ Max Floor Finish. **STAINED FLOORS:** Sand and prepare floor according to NWFA recommended methods. Finish abrading with a 100 grit pad or equivalent. Do not use steel wool. Apply DuraSeal® Penetrating Stain or DuraSeal® Quick Coat according to label directions. Apply 2 coats of DuraSeal® DuraClear™ Max Floor Finish over thoroughly dried stain. **PREVIOUSLY FINISHED FLOORS:**

**Note:** Do not apply over wax, lacquer, stains or shellac containing wax or stearates. Be certain floor is free from all wax or oily residue. Clean and abrade floor using the DuraSeal® Pre-Treat System. Do not use steel wool. Vacuum thoroughly and tack floor with a slightly water-dampened cloth to remove all dust. Apply 2 coats of DuraSeal® DuraClear™ Max Floor Finish. DuraSeal® DuraClear™ Max Floor Finish will adhere to most stains and finishes after proper preparation. Always prepare a sample or test area to determine compatibility.

**DIRECTIONS FOR USE:** 1. **SHAKE WELL BEFORE USING.** Do not thin. Shake DuraSeal® DuraClear™ Max Floor Finish (Part A) well for 30 seconds prior to adding DuraSeal® DuraClear™ Max Hardener (Part B). One 11 oz. bottle of Hardener will activate one gallon of finish. To activate amounts of finish less than one gallon, use (1) part hardener (Part B) to (10.5) parts finish (Part A). Slowly pour Hardener (Part B) into finish bottle (Part A). Shake mixture for 30-45 seconds then let sit for 5-10 minutes prior to applying. Remove stainless steel screen from the plastic bag and firmly insert the open end of the screen into the large end (bottom) of the spout. The screen should protrude from the bottom of the spout. Insert this entire assembly (screen first) onto the one gallon bottle.

### APPLICATION NOTES:

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**DIRECTIONS FOR APPLICATION:** Be certain all material is at room temperature. Use a synthetic T-bar applicator to provide the smoothest finish. Best results are achieved when ambient temperatures are between 50°F and 90°F, and humidity below 80%. **NOTE:** If applying to white oak, two coats of DuraSeal® DuraClear™ Sealer are recommended. 1. Pour a 5"- 6" wide line of finish along the starting wall, going with the grain of the wood. 2. Using a clean, dampened applicator, draw the finish toward the opposite wall going with the grain of the wood. Holding the applicator at a "snowplow" angle will allow you to maintain a wet edge at all times. 3. As you approach the end of the run, turn the applicator toward you and pad out excess material parallel to the wet

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edge. 4. Feather out all turns. 5. Apply DuraSeal® DuraClear™ Max Floor Finish at 500 sq. ft. per gallon to achieve proper film build and prevent lapping and applicator marks. 6. Allow first coat to dry 2-3 hours before applying next coat. Extended dry time is required with high humidity and low temperature conditions. 7. Abrade floor lightly with a used DuraSeal® Pre-Treat pad. Vacuum thoroughly and tack floor with a slightly water-dampened cloth to remove all dust. Abrading is not required for additional coats if the finish is applied within 24 hours of the previous coat. DRY TIME: Light foot traffic is acceptable after 24 hours. Do not expose the finish to rugs, cleaners, spills or heavy traffic for one week. Dry times are based on conditions of 77°F and 50% relative humidity at the recommended application rates. CLEAN-UP: Tools should be cleaned with warm water. COVERAGE: Apply at 500 sq. ft. per gal. Maximum VOC: 275g/L (2.3 lbs.gal). Do not thin.

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#### DRY TIME:

Dry times are based on application of thin coats, good ventilation, average temperature of 77°F and 50% relative humidity. Lower temperature, higher humidity, lack of air movement or excessive application will extend dry time.

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#### MAINTENANCE:

MAINTENANCE: Use walk-off mats at all entrance doorways to keep dirt and grit to a minimum. Sweep or vacuum daily and damp wipe as needed with DuraSeal® Hardwood Floor Cleaner. Do not use all-purpose cleaner/degreaser products.

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#### CLEANUP/STORAGE:

Clean application tools with warm water immediately after use. Do not use all-purpose cleaner/degreaser products. POT LIFE: The finish/hardener mix must be used within 6 hours after it is mixed. Product properties are diminished after 6 hours. The finish and hardener can only be mixed one time. STORAGE: Store at room temperature. If stored at high temperature, cool to room temperature before use. Keep from freezing. If frozen, warm to room temperature and mix thoroughly before use. CAUTION: Do not recap finish/hardener mixture after 6 hours to avoid pressure build up. Allow mixture to completely harden before disposing.

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#### SAFETY: PART A

**WARNING!** Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority

#### For Wood Substrates Only

CONTAINS MATERIAL THAT MAY CAUSE ADVERSE REPRODUCTIVE EFFECTS AND MAY ADVERSELY AFFECT THE DEVELOPING FETUS BASED ON ANIMAL DATA. **CAUTIONS:** 1-Methyl-2-Pyrrolidinone. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water. Get medical attention if irritation persists. For skin contact, wash thoroughly with soap and water. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. This product must be mixed with other components before use. Before opening the packages. READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive

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harm. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. SEE MATERIAL SAFETY DATA SHEET.

### SAFETY: PART B (Hardener)

#### For Wood Substrates Only

**DANGER! COMBUSTIBLE!** VAPOR AND SPRAY MIST HARMFUL, OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION, EFFECTS MAY BE PERMANENT. CAUSES EYE IRRITATION. Before using, carefully read CAUTIONS on back panel.

**CAUTIONS** ALIPHATIC POLYISOCYANATE HEXAMETHYLENE DIISOCYANURATE, VOLITILE ORGANIC COMPOUNDS. Contents are COMBUSTIBLE. Keep away from heat and open flame. VAPOR AND SPRAY MIST HARMFUL. Gives off harmful vapors of solvents and isocyanates. DO NOT USE IF YOU HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS, OR IF YOU HAVE EVER HAD A REACTION TO ISOCYANATES. USE ONLY WITH ADEQUATE VENTILATION. WHERE OVERSPRAY IS PRESENT, A POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR (NIOSH approved) SHOULD BE WORN TO PREVENT EXPOSURE. IF UNAVAILABLE, AN APPROPRIATE PROPERLY FITTED APPROVED NIOSH VAPOR/PARTICULATE RESPIRATOR MAY BE EFFECTIVE. Follow directions for respirator use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. If you have any breathing problems during use, LEAVE THE AREA and get fresh air. If problems remain or happen later, IMMEDIATELY call a doctor – If not available get emergency medical treatment. Have this label with you. IRRITATES SKIN AND EYES. Avoid contact with eyes and skin. In case of eye contact, flush thoroughly with plenty of water for 15 minutes and call a doctor – If not available get emergency medical treatment. In case of skin contact, wash thoroughly with soap and water. Clothes contaminated by a spill should be removed and laundered. Keep container closed when not is use. Reacts with water in closed container to produce pressure which may cause container to burst. Do not transfer contents to other containers for storage.

**FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE.** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN. FOR PROFESSIONAL USE ONLY. NOT FOR RESIDENTIAL USE. SEE MATERIAL SAFETY DATA SHEET.

### PHYSICAL PROPERTIES:

		<u>Testing method:</u>
Resin type:	Urethane/Acrylic	
Solvent:	Water, 2-Methoxymethylethoxypropanol, Dimethylethanol Amine, 1-methyl-2-Pyrrolidone	
Odor:	Mild Amine	
Luster (@ 60°):	Satin 17 +/-5	ASTM D 523
	Semi-Gloss 40 +/- 5	ASTM D 523
	Gloss 90 minimum	ASTM D 523
No. of coats:	2 - 3	

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Dry-time:	Recoat: 2 hours; Final coat: 24 hours (light use)	ASTM D 1640 Gardner circular
Dry film thickness:	0.6 mil/coat	
Flash point:	>212°F (SETAFLASH*)	SETAFLASH* ASTM D 3828
Applicator:	Natural bristle or foam brush, lambswool or synthetic pad	
VOC (grams/liter):	250 maximum Part A, 275 maximum Crosslinked	ASTM D 3960
Coverage (sq. ft/gal):	Approx. 500-600	
% Solids:	33.0 – 36.0 Crosslinked	ASTM D 2369
Pounds/gallon:	8.64 – 8.69	
pH:	7.00 – 9.00	
Viscosity (centipoises):	55 – 100	

\*SETAFLASH is a registered trademark of Stanhope-Seta Limited.