DuraSeal (Masterline) 550 Polyurethane

(DuraSeal Technical Data Sheet)

DESCRIPTION:

DuraSeal™ Masterline® Polyurethane is a durable finish suitable for large volume applications, such as meeting halls, multi-unit dwellings, and other commercial uses.

APPLICATION:

New Wood Floors:

1. Prepare floor according to NOFMA or NWFA specifications.

2. Apply DuraSeal™ Masterline® Polyurethane using a lambswool applicator or natural bristle brush at a coverage rate of 500-600 square feet per gallon. Application of thicker coats extends dry time.

3. Allow to dry fully for 8-10 hours, then screen the floor and tack floor with a cloth moistened with mineral spirits to remove dust.

4. Apply at least two more coats in same manner as steps 2 & 3. Additional coats of polyurethane may be applied if desired. Be sure to allow each coat to fully dry and screen lightly between each coat.

Screen and Recoat:

1. Clean floors with an abrasive pad moistened with mineral spirits to remove all grease, soap residue, oil, dirt, etc. Once dry, screen using a No. 100 grit screen. Do not apply over floors previously finished with shellac, lacquer, wax, or stains containing stearates, wax or finishes in very poor condition in need of complete removal.

2. Follow step 2 under New Wood Floors. Tack floor with cloth moistened with mineral spirits to remove dust.

Old Wood Floors:

1. Sand floor to bare wood according to NOFMA or NWFA approved methods. Make sure to remove all existing stain and finish.

2. Tack floor with cloth dampened with mineral spirits to remove all dust.

3. Follow steps 2 through 4 under New Wood Floors.

NOTE: Polyurethane will have a slight darkening effect when applied over light colored surfaces. Do not apply over floors previously finished with wax, shellac, lacquer or stains containing wax or stearates.

DRY TIME AND CURE:

8-10 hours. Allow to dry overnight for light traffic. Allow to dry 48 hours before replacing furniture and 30 days before replacing rugs. Drying time will be increased by high humidity, low temperature, lack of air movement or applying too heavily.

COVERAGE:

Approximately 500-600 square feet per gallon

CLEANUP/DISPOSAL:

Clean applicators with mineral spirits or paint thinner

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.

STORAGE: Maximum 120 F; shelf-life 36 months

SOLVENT: Mineral Spirits

CAUTIONS:

DANGER. Flammable liquid and vapor. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe vapor. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Response**: IF SWALLOWED**: Immediately call a **POISON CENTER** or physician. Do **NOT** induce vomiting**. IF ON SKIN**: Wash with plenty of soap and water. Wash contaminated clothing before reuse. **IF ON SKIN** (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. **IF INHALED**: Remove person to fresh air and keep comfortable for breathing. Call a **POISON CENTER** or physician if you feel unwell. **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. **Storage**: Keep cool. Store in a well-ventilated place. Store locked up. **Disposal**: Dispose of contents and container in accordance with all local, regional, national and international

regulations. **DANGER**: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations. **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. **WARNING**: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **FOR INDUSTRIAL USE ONLY.** Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage. This product contains a component that is either subject to a **CEPA** ministerial condition or an existing/ proposed **SNAC** (Significant New Activity). See Environmental Data Sheet (**EDS**) for additional detail. Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 55.3%

AVAILABLE IN:

Sheens	Sizes	Prod. No.	Qty
Gloss	QUART	334604444	4
Semi-Gloss	QUART	334624444	4
Satin	QUART	334614444	4
Gloss	GAL	33410000	4
Semi-Gloss	GAL	33412000	4
Satin	GAL	33411000	4
Gloss	5 GAL	33450000	1
Semi-Gloss	5 GAL	33452000	1
Satin	5 GAL	33451000	1

PHYSICAL PROPERTIES:

Color	Clear
Solids	37.05% to 37.35% Crosslinked
Viscosity	100-260 centipoises
Coverage	500-600 sq. ft./gallon
Number of Coats	Two to three
Leveling	Excellent
Defoaming	Excellent
VOC	550 maximum crosslinked
Dry Film Thickness	0.8-1.3 mil. coat
Freeze/Thaw Stable	Does not need protection from freezing
Shelf Life	36 months
Cleanup	Mineral Spirits
Maintenance	DuraSeal Hardwood Floor Cleaner
Storage	Room temperature
Working Temperature	Ambient temp between 50° and 90° F, humidity below 80%

Applicator	Roller, T-bar, Lambswool, Pad, Brush
Dry Time (at 77˚F and 50% relative humidity)	
Recoat	8-10 hours
Foot Traffic	24 hours
Return to Service	48 hours
Full Cure	48 hours
Furniture and Rugs	30 days
Gloss Level (at 60)	
Satin	24-38
Semi-Gloss	52-62
Gloss	90-120