



## EARTHPAINT INCORPORATED

TECHNICAL DATA SHEET

PRODUCT: EASY SAFE 1k FLOOR FINISH

Earthpaint Inc. Asheville, NC www.Earthpaint.net 828-258-2580 Customer Service:  
Support@earthpaint.net

### ***For Professional Use.***

HIGH PERFORMANCE INGREDIENTS: Water, nanopolymer acrylic self-crosslinking water based polyurethane-Trade Secret, N-Methyl-2-pyrrolidone - #872-50-4.

*Does not require an isocyanate crosslinker to be mixed on site.*

SAMPLE PINTS: Test for preferences and allergies before using.

GENERAL DESCRIPTION: Industrial grade wood finish balances health and sustainability with the need for a high-performance coating, providing a level of technology and durability otherwise unavailable to the average consumer. Easy Safe is a practically odorless, low VOC, advanced 1k polyurethane that effectively replaces more toxic 2k polyurethane. Onsite mixing with isocyanate NOT required. No waste. No discernible odor. Fast Dry. Chemical resistant. Scuff Resistant. Long working time, Fast return to service.

USES: Residential, Industrial and Commercial Wood Finishing. Suitable for sports floors, restaurant floors and tables, high traffic commercial wood floors, Wood Cabinets, Fine Wood Finishing, Bar Tops, Countertops.

COVERAGE: 400 – 600 sft per gallon. Recommended spread rate is 400 sft per gallon with a T-Bar and water based foam applicator pad.

TEMPERATURE: Do not apply below 55F. (70-80F is ideal for faster drying) R.H >60% WILL slow drying.

APPEARANCE: Durable 90 Gloss at 60°. Product exhibits excellent chatoyance effect on wood.

DRY TIME: 1-2 hours typically.

RECOAT: 4 hours or when dry enough to walk on and lightly (150-220 grit) sand between coats.

RETURN TO SERVICE: Low traffic in 4-8 hours. Regular traffic 12-24 hours. Despite the abnormally low odor and low VOC we recommend a 48-hour Fresh air cross ventilation curing period, thus insuring fresh air is flushed through the building leaving a hard, odorless, beautiful wood floor. Customer satisfaction and safety is maximized in this way. Hardness gains rapidly over the course of >7 days.

CLEAN UP: Water.

MAINTENANCE: Wash with Earth Clean and water. (Wait one week to wash.)

VOC: 68 g/L

SOLIDS: 36 % / wt.

DENSITY: 8.83

TENSILE STRENGTH, PSI: 4200

% ELONGATION: 110

FREEZE THAW STABILITY: Stable

VISCOSITY: <100, Brookfield 25C CPS.

STORAGE: Store indoors < 80F. Unopened cans have a 1 year shelf life. Pour into a work pot to insure unused product is not contaminated.

DISPOSAL: Dispose of in accordance with national, state and local regulations.

CREATE SAMPLE BOARD FOR CUSTOMER

APPROVAL: Apply multiple coats to a test board, allow to dry overnight. Review for sensitivities, color, adhesion, odor, hardness etc.



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**APPLICATION:** Stir for one minute with a stirrer stick. Mop on using a water based foam applicator pad. Sand to desired level of smoothness between coats with 150-220 grit.

**SPRAYING:** Fine HVLP, Air Assisted HVLP or Airless. Use a fine tip no larger than .014 if using an airless sprayer. Use a fine setting for HVLP. Practice in advance before application. Apply with fast, precise, sweeping motions, feathering into the coating so that an even film is applied without running. Apply multiple thin coats.

**PREP BEFORE SPRAYING:** Insure there is no remaining oil based coatings or mineral spirits in the spray rig (gun, gun filters, pump, pump filters, spray lines). Product will separate if the spray rig is not thoroughly flushed and prepared for a water based coating. We recommend using Earth Clean and water to clean the spray rig and lines until thoroughly clean.

**COATS RECOMMENDED:** Mop on multiple coats: 3 coats residential, 4 coats commercial, 5 coats for gym floors and industrial use.

**STAINING:** Apply over NanoTech Stain, water based stain or Bio Poly Natural (oil based stain). Do not apply over wet oils.

**LIMITATIONS:** Product is sensitive to wet oils. It applies over oil based stains but do not sand or wipe surface with any wet oils or separation will occur. Wash surface with Earth Clean before coating.

**HEALTH PRECUATIONS:** Can cause eye injury. Keep out of eyes, wear gloves and avoid skin contact. Can be a skin irritant. Also, be sure to test for sensitivities to odors. Allow fresh air into area. Wear NIOSH approved Respirator, especially when spraying coatings. Emergency contact: Nationwide Poison Center Hotline: 1.800.222.1222

**LIMITED WARRANTY:** The great variation between environmental factors, possible surfaces and application techniques, and the lack of control we have over such matters, must affect our policies. EARTHPAINT INC. products are guaranteed not to be defective when applied and used in accordance with instructions. However, liability, whether express or implied, is limited to replacement of product or refund of purchase price and cannot include liability for labor costs or consequential damages and will be done at Earthpaint Inc sole discretion. It is the user's responsibility to ensure that the proper product is being used for each job.