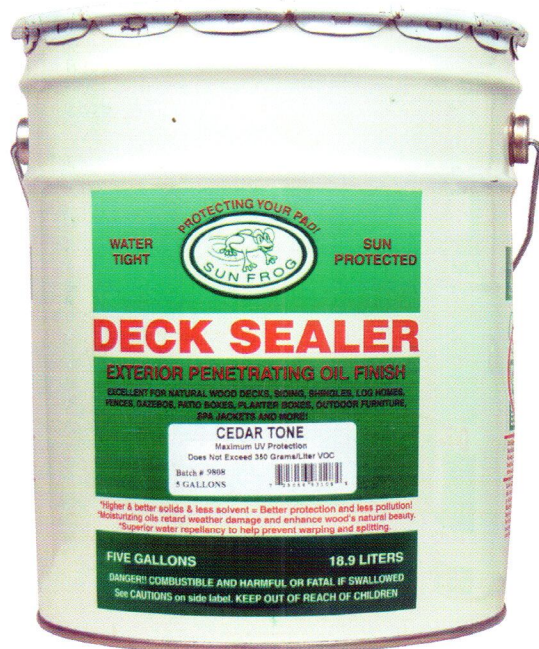


Sun Frog™ DECK SEALER

An Oil Based Wood Sealer



Sun Frog DECK SEALER is a premium blend of drying and non-drying vegetable and petroleum based oils, alkyds and solvents, with ultraviolet blockers, mold resisting agents (Busan 1105 TM) and other additives. The combination produces a high quality wood sealer and finish providing long lasting beauty and water repellency. When properly applied, Sun Frog DECK SEALER will provide one to two years of service. Actual life expectancy depends on wear conditions, sun and water exposure levels, type of wood and personal aesthetic preference of owner. DECK SEALER is available

in Clear plus Cedar, Redwood and Mahogany Tones, with the "Toned" versions providing the most UV resistance due to higher transparent pigment concentrations.

USES AND BENEFITS:

- * Oil based sealer protects, preserves and improves the natural beauty of smooth sawn wood.
- * For use on decks, railings, benches, planters, gazebos, spa surrounds, etc.
- * Conditions exterior wood to buffer against UV and water damage.
- * Contains a biocide to curb mold growth ON THE SEALER.
- * Can be used on rough sawn wood (fences, siding, etc.) and log homes too, though wet-on-wet second applications are advised here to achieve longest term (wood filling) performance. Consider Sun Frog Shingle/Siding & Log Sealer for these applications, a lower solvent, more one-coat application product.

APPLICATION: Apply only to clean, open, dry wood. NOT FOR APPLICATION OVER EXISTING PAINTS, STAINS OR VARNISH-LIKE FINISHES. On older woods, first remove existing dirt, mildew and prior sealers, finishes, paints or stains (use Sun Frog Deck Cleaner or Deck Stripper), then renew wood color (use Sun Frog Born Again), allowing wood to re-dry before applying sealer. Apply product when temperature is between 50° F and 90° F. For best results, use a stain pad or brush (rollers not recommended), apply evenly and work in to promote penetration. If sprayed, wear respiratory protection and still work Deck Sealer in with a bush or pad. Apply as much as the wood will absorb, leaving a slight wet excess to further soak in. After two hours of dry time, lightly remove any remaining surface excess with rags or an old towel. DO NOT PERMANENTLY LEAVE ANY WET EXCESS OR PUDDLES TO DRY ON SURFACE—Sun Frog is a penetrating sealer, not a varnish, and wet excesses not ragged off cause surface oiliness, prolonged dry times, tracking problems and long term inferior aesthetic results. Dispose of rags according to SPONTANEOUS COMBUSTION HAZARD WARNING LABEL. Allow 24 to 72 hours of dry time before foot traffic. Freshly sealed wood should be free from rain or standing water for 24 hours to avoid water spotting. **Clean up brushes and implements with paint thinner or warm, soapy water.**

COVERAGE: Expect coverage of 200 to 250 square feet per gallon on new woods. Expect 150 to 200 square feet per gallon on older woods. Apply as much as wood will absorb for longest lasting, most beautiful protection.

CAUTIONS: Sun Frog DECK SEALER contains petroleum distillate. Care should be used when applying. If sprayed, a NIOSH approved respirator should be used. Read and understand instructions and warnings on label before using product. Dispose of used rags carefully to avoid spontaneous combustion issues.

PACKAGING: Sun Frog DECK SEALER is available in gallons and 5-gallon pails. It is labeled WOOD SEALER in quarts.

PHYSICAL PROPERTIES: Oil Based- non-solvent content, 65+%. Viscosity: 20 sec. Zahn #2 cup. Freeze/Thaw Stability: Good

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Sun Frog™ **HARDWOOD DECK SEALER**

An Oil Based Wood Sealer

SUN FROG HARDWOOD DECK SEALER is a premium blend of resin, oils, thinning agents, pigments (except for Natural which is a true "Clear"), a biocide to discourage mold growth and other additives. When applied as directed it should provide six months minimum of service to hardwood decking in Beauty Enhancement and Water Repellency and Sunlight buffering protection. Hardwood Deck Sealer is available in Natural (Clear), Tropical Teak (Reddish Brown) and Tropical Walnut (Blackish Brown).



USES AND BENEFITS:

Oil based sealer protects, preserves and beautifies exterior hardwood surfaces. Can be used on Softwoods, too.

APPLICATION:

Apply only to clean, dry wood. NOT FOR APPLICATION OVER EXISTING PAINTS, STAINS OR VARNISH-LIKE FINISHES. On older woods, first remove existing dirt, mildew and prior sealers, finishes, paints or stains (use Sun Frog Deck Cleaner or Deck Stripper), then potentially renew wood color with Sun Frog Born Again Brightener, allowing your wood to re-dry before applying Hardwood Deck Sealer. Apply product only to dry wood and only when ambient temperature is above 50 degrees F. For best results use a stain pad, roller or brush- if sprayed wear a NIOSH approved properly fitted respirator and still back roll, pad or brush. Apply a good wet coat and let sit for an hour, then rag down your deck to pick up WHAT DIDN'T SOAK IN. Caution: Rags with Hardwood Deck Sealer on them are candidates for Spontaneous Combustion so wet rags with water immediately after use and either launder or put in a plastic bag to suffocate dying (which releases heat) and discard in trash cans away from buildings! DO NOT LEAVE ANY WET EXCESS OR PUDDLES TO DRY ON SURFACE- Sun Frog is a penetrating sealer, not a varnish, and wet excesses not ragged off cause surface oiliness, prolonged dry times and possible tracking issues- also long term inferior results. ALLOW 24 TO 72 HOURS dry time before using deck. Freshly sealed surfaces are in danger of water spotting if they get wet during the first 72 hours of dry time. **Clean up brushes and implements with paint thinner or warm soapy water immediately after use.**

COVERAGE: Expect 250-400 square feet per gallon on hardwoods, 150-250 on softwoods.

CAUTIONS: Sun Frog Hardwood Deck Sealer contains petroleum and other distillates and care should be used in applying to minimize skin contact and NOT breathe vapors or mists. See Cautions on can label.

PACKAGING: Gallons and Five Gallon Pails.

PHYSICAL PROPERTIES: Oil based – Non-solvent approximately 70+%. Viscosity 20 sec Zahn #2 cup. Freeze thaw stability good – product should not freeze in normal exposures.

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Sun Frog SHINGLE/SIDING & LOG SEALER is a premium blend of drying and non-drying vegetable and petroleum based oils, alkyds and solvents, with ultraviolet blockers, mold resisting agents (Busan 1105 TM) and other additives. The combination produces a high quality wood sealer and finish providing long lasting beauty and water repellency. It is a low solvent, high oil content formula (90+% oils) intended for vertical, rough sawn woods and log surfaces. When properly applied, Sun Frog SHINGLE/SIDING & LOG SEALER should provide two to four years of service. Actual life expectancy depends on wear condi-

tions, sun and water exposure levels, type of wood and personal aesthetic preference of owner. SHINGLE/SIDING & LOG SEALER is available in Clear plus Cedar, Redwood and Mahogany Tones, with the "Toned" versions providing the most UV resistance due to higher transparent pigment concentrations.

USES AND BENEFITS:

- * Oil based sealer protects, preserves and improves the natural beauty of logs and rough sawn wood.
- * Buffers exterior wood against UV and water damage.
- * Contains an ingredient to curb mold growth ON THE SEALER.
- * Usually a one coat application product.

APPLICATION: Apply only to clean, open, dry wood. NOT FOR APPLICATION OVER EXISTING PAINTS, STAINS OR VARNISH-LIKE FINISHES. New wood ("green lumber") should be allowed to dry for approximately thirty dry days prior to sealing. On older woods, first remove existing dirt, mildew and prior sealers, finishes, stains or paints (use Sun Frog Deck Cleaner or Deck Stripper), then renew wood color (use Sun Frog Born Again), allowing wood to re-dry before applying sealer. Apply when temperature is between 50° F and 90° F. For best results, use a brush, apply evenly and work in to promote penetration. If sprayed, wear respiratory protection and still work SHINGLE/SIDING & LOG SEALER in with a bush, pad or roller. Apply as much sealer as the wood will absorb, leaving a slight wet excess to soak in. If used on any horizontal or smooth sawn surface, any puddles or surface excess existing after two hours of dry time should be wiped up with an old towel or rags. Dispose of oily towels or rags in accordance with SPONTANEOUS COMBUSTION HAZARD WARNING ON LABEL. Freshly sealed wood should be free from rain or standing water for 24 hours to avoid water spotting. **Clean up brushes and implements with paint thinner or warm, soapy water.**

COVERAGE: Expect coverage of 150 to 175 square feet per gallon on new or rough sawn woods; 175 to 200 on new logs. Expect 80% of these coverages on older woods. Apply as much as wood will absorb for longest lasting, most beautiful protection.

CAUTIONS: Sun Frog SHINGLE/SIDING & LOG SEALER contains petroleum distillate. Care should be used when applying. If sprayed, a NIOSH approved respirator should be used. Read and understand instructions and warnings on label before using product. Dispose of used rags carefully to avoid spontaneous combustion issues.

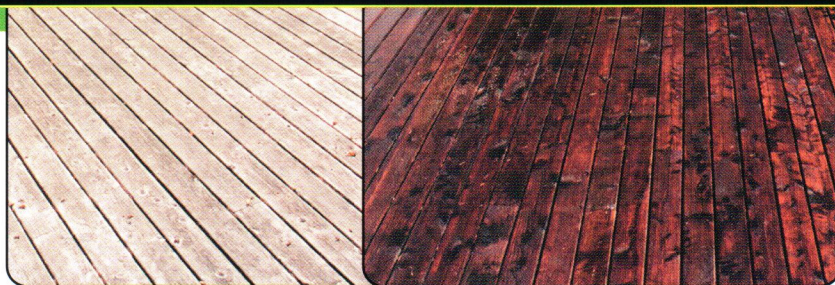
PACKAGING: Sun Frog SHINGLE/SIDING & LOG SEALER is available in gallons and 5-gallon pails.

PHYSICAL PROPERTIES: Oil Based- 90+% non-solvent content. Viscosity: 24 sec. Zahn #2 cup. Freeze/Thaw Stability: Good



Sun Frog™ DECK STRIPPER

Prepares Coated Exterior Surfaces for Resurfacing



Before

After

Sun Frog DECK STRIPPER is a strong caustic, designed to release sealers, paints, varnishes and stain coatings from wood surfaces.

USES AND BENEFITS:

- * To remove coatings on decks, siding, log homes, patio furniture, gazebos, planters, etc.
- * Concentrated solution can be diluted with water for light jobs.

DIRECTIONS FOR USE: Apply when outdoor temperature is between 65 and 90 degrees F (**Note: Warmth improves stripper activity and our experience with all available strippers show that exterior stripping is almost futile in cool, cold, windy, drizzly or non-sunny conditions**). Wear gloves, goggles and old clothes. Dampen surface to be stripped with light water spray. Apply DECK STRIPPER solution with a brush, roller, pad, or pump sprayer. Do not breath vapors or mists or allow skin or eye contact (if sprayed, wear a NIOSH approved properly fitted respirator). Let stand 3-5 minutes, keeping wet with fine water mist if necessary, and then brush with a short, stiff acrylic brush or deck broom, adding more DECK STRIPPER solution during brush phase. Let stand a second 3-5 minutes, again keeping damp with water mist if necessary, and then brush a second time. Rinse well with maximum available household hose pressure or light pressure washing. Painted and solid stained surfaces may require second complete application depending on coating type, condition and thickness.

COVERAGE: One gallon of undiluted DECK STRIPPER will typically strip 80 to 125 square feet of deck. For paints and solid body stains, full-strength use may be required. Against good condition, strong varnishes and heavily pigmented stains, dilution at 2 parts water to 1 part DECK STRIPPER is about right. Against weathered stains and older sealers and finishes, dilution can be up to 4 parts water to one part DECK STRIPPER. **Thus, depending on dilution and need for second applications, one gallon of DECK STRIPPER can typically be expected to strip between 80 and 400 square feet.**

CAUTIONS: Caustic solution. Can damage lungs, eyes, and skin with contact. Wear goggles, gloves, old clothes and respiratory protection when working with this product. If sprayed, wear a NIOSH approved properly fitted respirator. See warning cautions on product label.

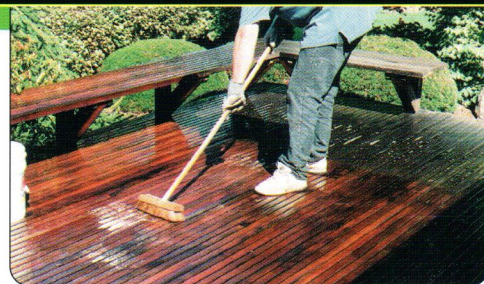
PACKAGING: Packaged in gallons and 5-gallon pails.

PHYSICAL PROPERTIES: Clear, Reddish Liquid. Surfactant charge: Nonionic
pH (1% solution) 11+/- . Freeze/Thaw Stability: Poor-**Do Not Freeze.**



Sun Frog™ DECK CLEANER

A Powdered High Alkalinity Cleaner



Sun Frog DECK CLEANER is a 100% active blend of detergents and surfactants designed to provide high-powered cleaning of wood. DECK CLEANER removes dirt, mold, weathered sealers and lightens stains, leaving an open, beautified surface ready to accept Sun Frog SEALER when dry. DECK CLEANER will not damage wood or remove natural color. When used as directed, it is also garden friendly.

USES AND BENEFITS:

- * Cleans old, weathered exterior wood surfaces.
- * For decks, siding, shingles, fences, patio furniture, planters, spas, etc. Can be used on composites and concrete too.
- * Removes many old sealers, leaving wood grain open and porous for sealing.
- * Economical—Quart size (2-lb. jar) makes 8 to 10 gallons of cleaner.
- * Contains no chlorine bleach or acids.
- * **NOT FOR USE ON NEW WOOD, ESPECIALLY REDWOOD—CAN CAUSE DARKENING REQUIRING BORN AGAIN USEAGE.**
- * **NOT FOR REMOVAL OF PAINTS, VARNISHES, NEW CONDITION SEALERS OR SEMI-TRANSPARENT STAINS—USE SUN FROG DECK STRIPPER FOR THESE APPLICATIONS.**

DIRECTIONS FOR USE: Dissolve one pound (1/2 of one quart) of DECK CLEANER in 4-5 gallons of hot tap water and apply to PRE-WET wood with mop, spray, or brush. Allow DECK CLEANER to sit on surface for a few minutes then brush with stiff bristle brush adding additional DECK CLEANER as needed. If wood does not come visibly clean in this first application, leave existing DECK CLEANER solution sit another few minutes, possibly adding a bit of fresh DECK CLEANER solution, then brush a second time. Rinse well with water. Depending on wood condition and intensity of cleaning action necessary, brushing and rinsing may leave a frayed wood surface when dry requiring light sanding to remove.

COVERAGE: One quart of DECK CLEANER powder should clean 350 to 400 square feet of wood.

CAUTIONS: DECK CLEANER is a high pH product that can be harmful if swallowed and may cause skin or eye irritation with contact. If in eyes, flush with cold water for fifteen minutes.

* on skin, wash with soap and water. If irritation persists seek medical attention.

Keep away from children. Read and understand cautions on label before use.

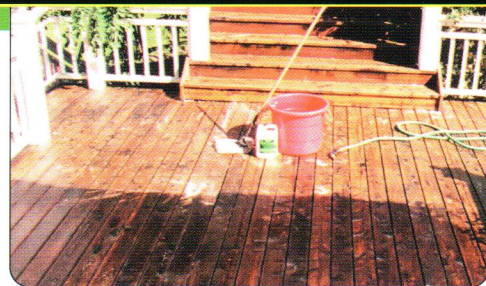
PACKAGING: Quarts, Gallons and 5-Gallon sizes.

PHYSICAL PROPERTIES: White, free flowing, white powder. Nonionic.
pH (1% solution in water): 10.8 +/-.



Sun Frog™ **BORN AGAIN**

A Brightener & Renewer for Old Weathered Wood



Sun Frog BORN AGAIN is a complex blend of weak acids designed to reverse the optical darkening of native wood tannins caused by natural weathering over time and exposure to high alkalinity cleaners and strippers. After use of Sun Frog Deck Cleaner or Deck Stripper, using Born Again will better restore woods original natural color prior to sealing.

USES AND BENEFITS:

- * Use on cedar, redwood, mahogany, and other natural woods. Pine, Hemlock and Fir have little tannin so usefulness on these woods is limited.
- * For decks, siding, log homes, patio furniture, gazebos, and planters.
- * **BRIGHTENER ONLY—NOT A CLEANER OR STRIPPER.**
- * Concentrated solution can be diluted with water for economy. If diluted, leave on surface longer for similar optical effect.

DIRECTIONS FOR USE: Surface must be clean of dirt, oils and prior sealers. Sun Frog DECK CLEANER OR DECK STRIPPER is recommended prior to application of BORN AGAIN. Pre-wet with water any surface BORN AGAIN is to be applied to. Apply to wet surface in concentrate or diluted with water (maximum dilution recommended is to 4 parts water, 1 part BORN AGAIN) using a brush, roller, pad, mop or sprayer (if sprayed wear respiratory protection). Brightens with contact and time only—brushing of surface is not necessary though light brooming to equalize application is advised. Let stand 5 minutes, keeping wood wet with occasional light water spray, if necessary. Rinse thoroughly with generous amounts of water, then rinse surrounding garden area well to assure plant and soil dilution and safety. Wear gloves, goggles and old clothes when applying BORN AGAIN.

COVERAGE: One gallon of BORN AGAIN, diluted with 4 gallons water, will typically renew 600 square feet of decking.

CAUTIONS: Avoid contact with eyes, skin or respiratory tract. If eye contact occurs, flush eyes with water for fifteen minutes and seek medical attention. Rinse skin contact with soap and water. Avoid breathing mists and vapors—wear respiratory protection, particularly if sprayed. Read and understand instructions and label warnings before using.

PACKAGING: BORN AGAIN is available in gallons and 5-gallon pails.

PHYSICAL PROPERTIES: Type: Clear, yellowish liquid. Activity Level: 27%.

Surfactant charge: Nonionic pH (1% solution) 2 +/-.

Freeze/Thaw Stability: Poor—**Do Not Freeze.**

