

Technical Data Sheet

Sealcoat™

- Compatible with ALL clear finishes, including solvent-based and water-based polyurethane, lacquer and shellac
- Great sealer for new wood or over existing finishes
- Penetrates wood pores deeply, seals wood completely
- Apply over new wood or over existing finishes
- Ensures uniform penetration of all stains on soft woods
- Dries in minutes – can be recoated in less than 1 hour
- Sands easily and quickly for smooth results
- Clean up with alcohol or ammonia and water

Selection Data

Generic Type– 100% dewaxed shellac-base sanding sealer. It is manufactured using a patented process that guarantees long-term stability and shelf-life. The absence of any wax in Sealcoat™ makes it compatible with all clear finish topcoats including oil-based polyurethanes.

Recommended Uses

- Doors, trim, baseboards, paneling, wainscoting
 - Cabinets, shelves, furniture, interior shutters
 - Floors, stairs, banisters and spindles
 - May be used to seal wood turnings, figurines, carvings, wicker, plaster, and other hobby / craft items
- Sanding Sealer - May be used as an undercoat to prepare all new or previously finished interior wood surfaces for solvent-based and acrylic polyurethanes, varnish and lacquer topcoats.

Pre-Stain Sealer–

When used as a pre-stain sealer and wood conditioner Sealcoat™ evens the porosity of woods such as pine and fir so stains penetrate evenly. Follow thinning instructions. Compatible with oil-based, water-based, alcohol and gel stains.

Bond Coat–

May be applied as a bond coat over existing clear finishes to ensure compatibility and adhesion of lacquer and solvent-based polyurethanes.

Barrier Coat–

May be applied as a barrier coat to seal odours in certain types of wood and particleboard. Not recommended for use as a sealer on exterior surfaces.

Tinting–

A wide variety of shades and tones can be achieved by tinting Sealcoat™ with alcohol-based stain, aniline dye, or small amounts of universal colorants - up to 60 ml colorant per gallon. Note that alcohol stains will dilute viscosity. If using powdered dyes, shake to completely disperse dye material and let container sit for a few minutes for bubbles to clear.

Application Data

Surface Preparation– Surfaces must be clean, dry, and sound. Remove any wax from surface with mineral spirits. Sand bare wood as smoothly as possible and remove all sanding dust. Previously applied wood stains must be completely dry. Previously applied finishes must be clean

and tightly adhered.

Application Requirements–

Do not thin product when using as a sealer or bond / barrier coat. Apply evenly and consistently and allow to dry 45 minutes before sanding with 120 or finer grit sandpaper. Remove all dust and apply finish coat. Note: A second coat of sealer will improve the film build and give added depth to the final finish on porous or open grain woods such as oak, mahogany, etc. Allow second to dry 1 hour before sanding lightly and applying finish coat.

Application Methods

Brush application: For best results use a natural bristle brush. Apply a full brush load of sealer to the surface using full, even strokes, brushing back into the wet material to maintain a wet edge. Do not over-brush or brush back into material once it becomes tacky.

Wiping application: Use a lint-free cloth. Pour or brush a liberal quantity of Sealcoat™ onto the surface and quickly work into the wood with brush, making sure sealer soaks thoroughly into any open or end grain. Wipe away any excess with cloth and stop wiping when surface becomes tacky. For vertical surfaces pour Sealcoat™ onto cloth and wipe over the wood. If the wood is stained, a second application may be needed to avoid sanding through the sealer and the stain.

Spray Application: May be spray applied using conventional, HVLP systems, or airless. Use a .011 to .013 tip and 800 - 1000 psi for airless spray application. Follow equipment manufacturer's instructions.

Coverage–

Approximately 24 – 50m² per 5 litre

Spread rate may vary depending upon surface porosity and method of application.

Application Directions

Doors / Trim / Paneling / Cabinets / Furniture- Apply 1 or 2 coats by wiping, brush, or spray. Allow to dry completely before sanding with 220 or finer grit between coats to ensure a smooth finish. If a heavier film build is desired, repeat application. Remove dust and apply finish.

Floors– Floors should be properly sanded and free of dust, dirt, or other contaminants. Use a brush or floor finish applicator and apply in the direction of the grain.

Coat two or three board widths at a time, being sure to keep a wet edge. Avoid over-applying or over-brushing. Let dry for 45 minutes before sanding with 120 to 150 grit or finer sandpaper or screening. Apply second coat if desired or floor finish. Refer to Sealcoat™ Floor Finish Technical Data Bulletin for more information.

Pre-Stain Conditioner-

Sealcoat™ is ideal for preventing uneven stain penetration over softwoods such as pine. Thin product by adding 3 parts alcohol to 2 parts Sealcoat™. Apply with a brush or wipe on with a cloth, working with the grain. Do not over

apply or recoat. After 15 minutes, lightly rub surface with fine synthetic abrasion pad. Apply stain according to manufacturer's directions.

Bond Coat –

Because it has high adhesion and is compatible with most other clear finishes, Sealcoat™ may be applied to an existing finish to protect it from strong solvent coatings such as lacquer or to ensure adhesion of oil-base polyurethane, water-based polyurethane, lacquer and other clear finishes over stered finishes. Two full coats are required. Odour Barrier Coat - Shellac-based Sealcoat™ is an effective and dependable barrier coat for sealing odours in certain types of woods and particleboard. Two full coats are required for this application.

Application Conditions

Warmer temperatures will accelerate and colder temperatures will prolong the dry time of this product. Do not apply when RH is greater than 85% or when temperature is within 10% of the dew point. Sealcoat™ is not recommended for use in areas where surface heat exceeds 71°C. (Note – Brushing lacquers may soften sealer film during application. Do not over brush when applying lacquer or pulling may occur. Always test apply catalyzed finishes over Sealcoat™ on scrap wood before using.

Dry time– At 21°C the first coat on bare wood will usually dry to touch in a few minutes and can be sanded and recoated in about 20 to 30 minutes. Subsequent coats or coats applied over existing finishes will dry to the touch in 10 to 15 minutes and can be sanded and recoated in about an hour.

Clean up– Wipe up drips and spills with a rag soaked in denatured alcohol or use a solution of household ammonia and water. Clean brushes with denatured alcohol or a solution of 1 part sudsy ammonia and two parts water. To dissolve product that has dried on application tools, soak tools overnight in ammonia solution or alcohol. Clean sprayer equipment according to manufacturer's directions.

Typical Physical Properties

Solids by weight: 21.4% - 22.8%

Solids by volume: 15.7% - 16.7%

Density: 0.88kg / litre

Viscosity range: <200 cps

Max. VOC: 730g / litre

Flashpoint: (Seta flash) 12.7°C

Dry time: (recoat) @21°C & 50% RH 20 to 45 minutes

Shelf Life: 3 years in unopened containers

Storage / Handling: 4°– 27°C

Freshness Note: This product is formulated to maintain rapid dry time and maximum film hardness for 3 years after the manufacture date stamped on the container bottom. After that time check for proper drying by brushing on a piece of scrap wood. If surface is not dry tack free within 2 hours do not use. Higher storage temperatures may shorten shelf life. Do not expose to storage temperatures > 35°C for extended periods of time.

Warranty

Sealcoat™ will perform as claimed if directions are followed. Directions are as complete as possible, but cannot encompass all conditions, applications, techniques and / or surfaces that are beyond our control. If you have a question please contact Zinsser (UK) Ltd. Warranty is limited to replacement or refund value of product actually used if such product proves defective within two years of manufacture.

Precautions

Consult product Safety Data Sheet.