



800-892-1884
www.edmundallen.com

FACTORY FINISHING

A Proven Process...

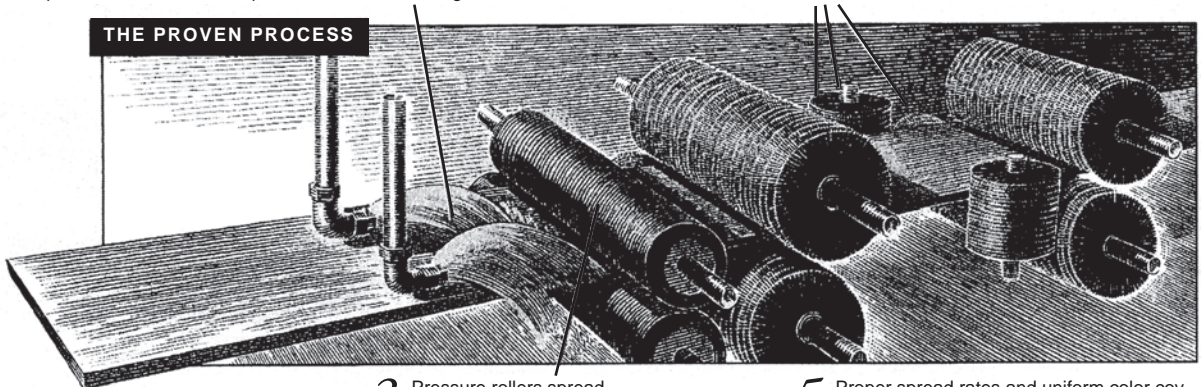
Our products are applied under the most stringent, factory-controlled conditions.

1 Controlled temperature and humidity levels in the factory stabilize any moisture in the substrate; application conditions are optimal.

2 Natural wood, fiber cement or engineered siding is fed into the machine and flooded with coatings.

4 High-speed brushes drive the coating into all coated sides of the material for maximum protection.

THE PROVEN PROCESS



3 Pressure rollers spread the coating evenly.

5 Proper spread rates and uniform color coverage provide a beautiful factory finish with the highest outdoor performance standards.

BENEFIT BASICS

- Finished siding is protected from damage by weather
- Saves time and labor costs
- No costly scheduling, weather or seasonal days
- No overspray, dripping, splattering or clean-up problems
- The job site is neat and the project looks finished immediately
- No color variation, lap marks, shrink lines, streaking or dirt pick-up

Here are some of the most frequently asked questions.

Q: WHAT IS THE DIFFERENCE BETWEEN FACTORY FINISHING AND JOBSITE FINISHING?

A: Factory finishing is more economical, since it is applied by machines designed specifically to handle large quantities of board, bevel, panel and shingle products. The coatings are applied in a controlled environment, ensuring uniform coverage over the entire piece. Coating clean, dry wood in a factory setting is recommended by the

manufacturers of all "paintable" exterior siding and trim products. The U.S. Forest Products Laboratory has found that unfinished wood with as little as one week exposure to weather reduces coating adhesion capabilities. Coating companies offer their strongest product warranties on factory finished materials, which are available in clear, semi-transparent, and solid color finishes suiting any aesthetic or performance preference. Factory finishing is more uniform, faster, less expensive, and guaranteed!

Q: DOES IT MATTER IF THE WOOD IS WET OR DRY?

A: Green, Wet, Unseasoned, and PAD are all different ways of stating the same thing: that the moisture content of the wood is higher than 19% - too high for the application of most finishes. Kiln Dried (KD) products allow for superior penetration and adhesion since they have been uniformly dried below 19%. They are also closer to the equilibrium moisture content (EMC) to which wood products will stabilize after installation, making for a more dimensionally stable product. Edmund Allen Lumber will not coat any products with moisture content above the coating manufacturer's recommendations and has a high capacity drying facility for adherence to this standard.

Q: DOES IT MATTER WHICH SURFACE IS FINISHED, ROUGH OR SMOOTH?

A: Rough surfaces hold more coating than smooth surfaces, and are a better bonding surface for finishes. Smooth surfaces usually require a field-applied topcoat to cover marks made during handling and installation. With advances in coating technology and Edmund Allen Lumber's methods of application, we can coat and guarantee our coatings on both rough and smooth surfaces.

All of our "knotty" products are graded to the rough face, and are not reversible except our KD T&G V-jointed paneling which can be applied either smooth or re-sawn face out. Most of our clear (no knots) products are graded to the smooth face, but may be reversible to the rough or smooth face. It is usually best to expose the graded face.

Q: WHAT ARE THE REDDISH BROWN STAINS ON CEDAR SIDING?

A: Western Red Cedar owes its insect and decay resistant characteristics to naturally occurring "extractives" (also called tannins). If excessive moisture gets into Western Red Cedar, it will transport these extractives as it evaporates from the wood through the coating, leaving reddish-brown stains on the surface. These water-soluble deposits can be cleaned with a wood brightener and recoated if necessary. However, if there is a continued source of moisture, the stains may reappear.

Q: WHAT IS "BACK PRIMING" AND IS IT IMPORTANT ON WOOD PRODUCTS?

A: Applying the first coat of any coating system to all surfaces - including the back - is referred to as "back priming". It is important since it assists in reducing uptake of moisture by all surfaces of the material, thus

keeping the piece more stable and prolonging the life of the finish. Since back priming can only be done prior to installation, factory finishing is the most practical and best way to do it on all wood products.

Q: LATEX OR OIL?

A: Water-based (latex) coatings are superior in almost all performance factors (flexibility, breathability, durability) as a finish coat, while oil-based primers provide superior resistance to extractive bleeding on Western Red Cedar. At Edmund Allen Lumber, we use an alkyd oil primer followed with a 100% acrylic latex topcoat for our best performing, lowest maintenance option on Western Red Cedar. On all other substrates, such as engineered wood products and fiber cement, we use latex for both primer and finish coats on face and edges only.

Q: CLEAR SEALERS, SEMI-TRANSPARENT, SEMI-SOLID, SOLID COLOR?

A: Clear sealers are clear or slightly tinted and allow all of the wood's natural color and texture characteristics to show through. Clear sealers offer some protection from moisture absorption but almost no protection from graying, and require a more frequent maintenance schedule.

Semi-Transparent stains are designed to allow all the characteristics of the wood to be visible including various colors of the wood, grain structure, and texture. Semi-Solid stains are formulated with additional pigment bridging the gap between semi-transparent and solid color finishes while still allowing some characteristics to be visible. Expect a recoating schedule between 3 and 5 years, depending on exposure. Edmund Allen Lumber uses water based semi-transparent and semi-solid stains, which offer 5-year warranties.

Our solid color stains are formulated exclusively for factory application on wood and 100% acrylic latex top coat that provides years of maintenance-free beauty and protection, with a 15-year warranty on 2 coats and 25 years with 3 coats.

Coatings specifically engineered for factory application on composite products such as fiber cement and LP SmartSide are used on these products on face and edges only.

Q: CAN I LET CEDAR GO GRAY NATURALLY?

A: Because of shading and differing exposure to the sun, Western Red Cedar does not gray uniformly. If the weathered gray look is desired, a factory applied

V.O.C compliant weathering stain could be used or a gray pigmented water-based semi-transparent for a uniform weathered look.

Q: WHAT SHOULD I USE ON PLYWOOD?

A: The American Plywood Association recommends that opaque solid color finishes be used on plywood of any species. The use of semi-transparent stains is not recommended because the variations in texture and porosity of face veneers will cause a lack of uniformity. Plywood sidings should never be left unfinished since weathering can lead to delaminating and/or surface degradation.

Q: WHAT IS THE CHALKY SUBSTANCE ON MY FIBER CEMENT SIDING?

A: It's most likely cement dust from cutting or "efflorescence" from excessive moisture. During installation, dust from cutting can accumulate on the coating, and if not cleaned off promptly, can become very stubborn to remove. Another common cause of a "chalky" residue is called efflorescence, which occurs when the fiber cement becomes wet before or during installation. As the moisture evaporates out through the breathable latex finish, it leaves behind water-soluble minerals on and in the coating. Either condition may be partially removed with a wood cleaner then field-coated. If the source of moisture is not eliminated, efflorescence will likely reappear.

Q: WHAT ARE THE FINE VERTICAL CHECKS IN MY FIBER CEMENT SIDING?

A: They are called micro checks. Checks develop in the substrate due to excessive flexing, most likely during installation, and telegraph into the coating where dirt accumulates making them visible. Cleaning with a wood

cleaner then applying a field coat will fix the problem.

Q: WHAT MAKES EDMUND A. ALLEN LUMBER COMPANY DIFFERENT?

A: Since 1897 Edmund A. Allen Lumber Company has been providing our dealer partners with the highest quality forest products and services available. We have built a solid reputation for quality, integrity, and service. Our cedar inventory is one of the largest most diverse in the country, stocked with quality products from the best manufacturers in North America.

Edmund A. Allen Lumber Company is 100% employee owned. Our employees are dedicated, hardworking and doing their best possible job on every order. Our custom millwork shop does special brackets and corbels as well as match outdated or special profiles.

Factory finishing since 1961 and in partnership with our coating suppliers, our state-of-the-art equipment gives us the ability to apply quality coatings to all our products including shingles.

Since latex coatings are different from oils, panel products and shingles require different equipment than trim and siding, Allen Lumber has product specific lines for finishing each with drying ovens for latex products.

All factory finished orders are protected with slip-sheeting and our trademark Red Wrap to ensure your orders can be transported and stored at the jobsite in pristine condition.

Please call 1-800-892-1884 with any other questions, or visit our website at www.edmundallen.com

TEN TIPS ON INSTALLING CEDAR SIDING

- 1) Store siding above ground and covered (protected from weather) at the job site.
- 2) Make sure the siding is at equilibrium with the local environment before the siding is installed. This means that green, or wetted siding, should be given time to acclimate before installing.
- 3) Select the finish before installation so the back surface can be coated to prevent moisture from being absorbed.
- 4) Calculate spacing before starting installation to ensure the proper overlap and equal spacing on all walls.
- 5) Use thin ring-shank "split-less" siding nails.
- 6) Do not overdrive nails, overdriven nails can distort the wood and cause problems.
- 7) Use a fine toothed blade or saw for all cuts and make sure the joints fit properly and are touched up with coating.
- 8) Make butt joints mitered, over studs and touched up with coating.
- 9) Replace pieces damaged during installation and remove all surface dirt before final finish.
- 10) Touch up with coating where needed and caulk vertical joints at doors, windows and trim.

Edmund Allen Lumber is the premier factory finisher in the Midwest – All of our coatings provide superior performance and warranty protection!

Factory-Applied Coatings

<p>Primers Our primers are ideal base coats for all types of exterior solid color stains and paint. Formulated specifically for machine application, Our primers provide excellent adhesion to most surfaces for superior performance and durability on exterior siding and trim.</p>	<ul style="list-style-type: none"> • Oil-and water-based formulations • Exceptionally resistant to tannin-bleed
<p>Semi-Transparent and Semi-Solid Stain Semi-Transparent Stain contains the lightest pigmentation designed to accentuate natural wood grain and character. Formulated with additional pigment, Semi-Solid Stain bridges the gap between a semi-transparent and a solid stain.</p>	<ul style="list-style-type: none"> • Water-based formulations • Deep penetrating • 5-year guarantee (water-based only)
<p>Alkyd Oil One Coat Our alkyd oil is specially formulated with a tough, durable alkyd resin to provide superior performance and lasting beauty. No primer is necessary.</p>	<ul style="list-style-type: none"> • High-hiding, oil-based formulation • 5-year guarantee
<p>Latex Topcoats Formulated exclusively for factory application, a latex topcoat is a premium-quality, solid color coating that provides years of maintenance-free beauty and protection.</p>	<ul style="list-style-type: none"> • Water-based formulation • 15-year guarantee • 25-year guarantee (3 coats on wood)
<p>Cement/Composite Specific Topcoats <i>(for Cement and LP Sidings)</i> Specially engineered for factory application to cement and composite sidings. These solid color coatings use a durable 100% acrylic resin that protects and beautifies cement and composite substrates for years.</p>	<ul style="list-style-type: none"> • Water-based formulation • 25-year guarantee (applied over primed cement and composite products)
<p>Other Factory-Applied Coatings <i>Exterior: Cabot Clear Solution</i> — #3060 series; water-based; available in 3 natural woodtones</p>	



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