



Exterior Wood Siding & Fence Application Guide

Educate yourself and achieve a beautiful result.....

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FORMULAS:

- Timber Pro “Log & Siding Formula” for exterior and interior logs and wood siding
- Timber Pro “Deck & Fence Formula” for Fences
- Timber Pro “Deck & Fence Formula” may be better suited for denser wood species such as teak, eastern white cedar, Alaskan yellow cedar, tiger wood or other exotic smooth wood siding. Liquid samples for brush outs should be ordered and tested for penetration abilities of our two formulas prior to determining whether to use “Log & Siding” or “Deck & Fence” formula for this type of smooth siding.
- Log & Siding and Deck & Fence formulas are available in MicroTint, Transparent, Semi-Transparent or Semi-Solid Stain, and Clear UV (for top coat over MicroTint or Transparent Series).

RECOMMENDED NUMBER OF COATS:

- MicroTint and Transparent Series colors on siding; the required process is 2 initial coats of a transparent stain color, plus one Clear UV topcoat over the natural wood tones other than grays. Consult with us if you are using a transparent gray tone, you may need to mix in a little of “your” gray with the Clear UV stain to eliminate possibility of the Clear UV casting a slightly amber tone over the gray on your third coat.
- **Note: On interior wood siding, beams, or trim, apply 1-2 coats of Clear UV, MicroTint or Transparent stain.**
- Semi-Transparent Series colors generally just require two flood coats; third coat of Clear UV is optional and may not be necessary due to higher pigment amounts in semi-trans colors. Test Clear UV topcoat before using over semi-transparent colors.
- Semi-Solid colors, two color coats only. No Clear UV top coat necessary.

COVERAGE:

New / Unseasoned wood, smooth siding: Approx 250-275 sq ft per gal per coat depending on porosity of wood

Rough sawn siding: Approx. 200-225 sq ft per gal per coat.

On either, coverage depends on wood porosity. Allow 20% of total gallonage for Clear UV topcoat.

Before you begin any application project, following these simple steps is essential for good coating performance:

- 1) On siding projects, do a full 3 coat color test if using MicroTint or Transparent Series colors (2 color coats, one Clear UV topcoat) on a sample of the same wood you are using to assure color satisfaction. Liquid samples available. Clear UV topcoat not applicable on some colors (see above in “coverage section”).
- 2) Do not apply the product in direct sunlight over 72 degrees or in temperatures over 80 degrees F.
- 3) Do not apply the finish to wood if it is wet (over 21% moisture content). If the finish stays milky 15 minutes after application, the wood is too wet to allow the finish to penetrate or dry further.
- 4) Always assure that the wood has been properly prepared prior to application of stain.
- 5) On exterior wood siding or the exterior of log homes, the recommended system is two coats of the pigmented Timber Pro UV with a final third coat of Clear UV if using the MicroTint or Transparent Series colors. For Semi-Trans color series, the Clear UV top coat is optional. Test it first on sample brush out.
- 6) Fences generally require 2 flood coats only unless extremely dry and porous
- 7) Always stir the stain consistently before and during use to ensure color uniformity.

Before starting any application, be aware of the following Do's and Don'ts:

- Don't apply in direct sunlight or when wood is warm to touch
- Don't apply when temperature is above 27° C or 80° F
- Don't thin the product - call us first to consult as to why you would need to.
- Don't apply below 10° C or 50° F
- Don't apply in wet weather or impending wet weather
- Don't apply if moisture content of wood is greater than 21%
- Do use a nylon polyester brush of good quality for application
- Do apply when temperatures are between 10° C (50° F) and 25° C (77° F)
- Do stir occasionally during application to prevent settling of pigment or ingredients
- Do keep a constant wet edge
- Do apply in the same direction as wood grain
- Do intermix color batches together to assure color consistency
- Do thoroughly saturate all end grain, nail holes, checks and cracks
- Do back prime siding if possible. Siding coated on back side remains more flat and stable
- Do mask off and protect all surfaces not requiring staining

PREPARATION:

On SEASONED WOOD or already installed existing siding - Remove all dirt, mildew, weathered wood fibers and old sealers. It is recommended to remove failed finishes of previously applied if the color is not uniform or the finish is peeling and flaking. If the prior finish was Timber-Pro UV it does not need to be removed unless it has not been maintained correctly. Clean & Brite will remove all dirt, superficial mildew and mild weathering. Strip & Brite will remove severe weathering, most black mold discoloration, and previously applied oil-based finishes including Timber Pro. Make sure all cleaning chemicals are very well rinsed. **Do not use bleach or oxalic acid to clean wood.** It will chemically compromise the Timber Pro stain and may prevent it from curing. Wood should always be a neutral Ph of 7 prior to staining which could be tested by placing PH strips (available at hot tub or pool supply store) on the clean wet wood just after rinsing. If PH is high (over 7) keep rinsing cleaning chemicals until PH is at 7. Allow wood to dry completely after cleaning. Mask off all non-wood surfaces.

On NEW SMOOTH SIDING - Most siding has been exposed to some dirt, dust or spores. If so wash with Clean & Brite to remove contamination and let dry completely before applying Timber Pro UV. Also, most new smooth wood siding has a mill glaze on the surface. If the smooth siding is mill glazed (wood surface has a sheen or gleam), sand wood with 60-80 grit sandpaper (do not use finer grits) to slightly roughen surface and remove mill glaze. If there is any possibility the wood has been exposed to spores (fungi) or shows evidence of mildew, wash it with Clean & Brite prior to sanding so as not to spread and disperse spores while sanding. Rinse, wipe, or blow off sanding dust. Let wood dry completely before applying Timber Pro UV.

On NEW ROUGH SIDING - If siding has been exposed to the elements, including dirt and dust, powerwash thoroughly and let dry completely before applying Timber Pro UV. If mildew stains or water stains are present, pre-treat with Clean & Brite as directed and then lightly powerwash, removing all Clean & Brite solution thoroughly and wood is back to neutral PH of 7.

Tips: If siding is installed vertically, apply stain vertically in strips starting at bottom of wall and working up per 3-4 ft. section. If siding is horizontal, spray long horizontal strips (3-4 ft. high) starting at bottom and working up. When you apply stain liberally, drips will always form and run down onto dry bare siding causing a streak that is difficult to brush out because the drips penetrate quickly. When you start at the bottom, the drips run down onto wood already wet with stain and are they are easier to brush out so they won't leave a streak. Always brush in direction of wood grain.

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APPLICATION TIPS:

Wood surface should be cool and dry for best results. It is best to work on shady side of building. Do not apply stain in direct sun in temperatures over 72° F. or in windy conditions. Do not apply at all in temperatures over 82°. Product will dry too quickly without penetrating if wood surface is too warm or if it is windy. This is true with all penetrating stains. If wood surface has not dried sufficiently after cleaning or rain, Timber Pro UV will remain milky-white 15 minutes after application. Allow wood longer dry time before attempting application. One wall of your home directly faces oncoming weather (usually the Southern or South-western exposure). Apply product more liberally on this side of the building.

FIRST COAT:

Tip #1 Always apply a small patch test of stain in hidden area to test suitability of product and color.

Tip #2 Always begin your stain application on a side of the structure that is more hidden from view so you can practice your technique in an area that doesn't stand out.

STIR CONTENTS WELL AND KEEP STIRRED WHILE USING PRODUCT (tint may settle). Stain may be applied by nylon brush, stain pad, or low pressure spray but we recommend spraying and back brushing for best results. Rollers are not recommended as they apply unevenly with overlap producing inconsistent coverage. If using an airless sprayer, turn your pressure down very low and use a tip that is more open and wide with a fan shaped spray tip. The object is to flood coat, not mist coat. If spraying, apply first coat via a "wet on wet procedure". This means, lightly spray the wood but not to the point of dripping. Begin at bottom of wall and work upward spraying along same direction as the wood grain and do full length of the siding boards. Once you have lightly pre-wetted surface with stain and surface tension is broken, come back right after and re-wet with another light spray just to the point where it is begin to drip and run. **Important, brush out all runs and drips** within a few minutes of applying the stain. Attempt to work an entire wall section at a time to avoid overlap marks. If wall is too large to coat in one section, gradually feather out the far edge to minimize overlap marks. Work all excess product into wood with soft bristle broom brush (like a truck or car wash brush) or stain brush. Monitor the drips, they may re-form and keep backbrushing until all drips are worked into the wood. Allow the first application to dry completely (6-48 hrs depending on air temp and humidity) before applying second coat. If you hand brush, always keep a wet edge and continually smooth stain as you go to minimize overlaps. Product should always be back brushed or smoothed with soft nylon stain brush especially on smooth wood siding to aid penetration and even color.

SECOND COAT:

After the first application has dried (no tackiness remaining), apply another single coat in same manner. Color will deepen slightly with each successive coat.

NOTE: If your siding boards or logs show knots, stain will not penetrate as well in area's that circle the knots and you may have lighter patches near knots that don't take the color as well. You may want to spot treat up these light patches with another light coat of color before applying your final clear coat.

THIRD APPLICATION: Required over MicroTint and Transparent series colors (not necessary for fences)

The final coat is a Clear UV topcoat. This is what is known in the industry as the "sacrificial" coat, the last coat applied is the first to wear off eventually. Better to have a clear coat wear than a color coat. When it's time for a maintenance coat of Clear UV, it can be applied again over the original color coats if the color is still strong. On smooth wood siding, apply this third top coat of Clear UV fairly lightly. If the stain resists a little, keep working it and backbrushing - it will eventually etch the prior coats and then smooth out. This topcoat should dry on both rough and smooth siding with a slight surface sheen, somewhat like an "oiled gleam". Sheen indicates wood pores are fully saturated and resins are now drying on the wood surface. If you do not see the sheen after all coatings, you may not be applying product heavily enough, or your wood may be so porous that it may require more coats. Cedar shingle siding is the most porous of all siding and may require heavier applications.

CLEANUP:

Clean tools immediately with soap and water. If Timber-Pro UV dries on tools, soak brushes or tools in a solution of 1 part Strip & Brite (Step 1) to 4 parts water until dried stain softens. Then wash tools with soap and water to remove all stripper. Rinse well with water.