

DuraGuard Finishing Instructions

DuraGuard System Features

- Access to all Conestoga topcoats, sealers, stains, paints, primers, glazes and other raw materials.
- Access to our Finishing Department at (717) 445-3252 every business day, from 7:00 a.m. to 3:30 p.m. (EST). We are dedicated to answering any finishing questions our customers may have.
- Inexpensive touch up kits are available; these kits are used to hide scratches or blemishes incurred in our customers' shop. These kits make a great gift for your satisfied customers. See bottom of DuraGuard Packaged Finish Pricing chart for details and pricing.

All Wiping Stains (except Bordeaux and Espresso)

- Use this process to match all Conestoga wiping stains except Bordeaux and Espresso stains.
- White wood sand with an oscillating palm sander using 180 grit sandpaper.
- Apply wiping stain over wood. Wipe all surfaces clean with lint free rag.
- Allow wiping stain to dry for a minimum of 1 hour.
- Spray sealer to approximately 4 wet mil thickness.
- When the sealer is completely dry, sand sealer with fine grit (220-280) sandpaper using an oscillating palm sander on all flat surfaces. Hand sand all profiles with 220 grit sandpaper.
- Spray on topcoat to approximately 4 wet mil thickness.
- Allow topcoat to dry for a minimum of 4 hours before handling.

Bordeaux and Espresso Finishing Process

- Use this process to match Conestoga's Bordeaux and Espresso stains.
- White wood sand with an oscillating palm sander using 180 grit sandpaper.
- Moisten wood surface by lightly misting with water. Do not over saturate. Allow wood to completely dry for 30 to 60 minutes depending on relative humidity. This will open the grain allowing penetration of stain.
- Apply wiping stain over wood. Wipe all surfaces clean with a lint free rag.
- Allow wiping stain to dry for a minimum of 1 hour.
- Spray sealer to approximately 4 wet mil thickness.
- When sealer is completely dry, sand sealer with fine grit (220-280) sandpaper using an oscillating palm sander on all flat surfaces. Hand sand all profiles with 220 grit sandpaper.
- Spray on topcoat to approximately 4 wet mil thickness.
- Allow topcoat to dry for a minimum of 4 hours before handling.

Glaze Over Wiping Stains

- Use this process to apply glazes over all Conestoga wiping stains.
- White wood sand with an oscillating palm sander using 180 grit sandpaper.
- Apply wiping stain over wood per DuraGuard finishing instructions. Wipe all surfaces clean with lint free rag.
- Allow wiping stain to dry for a minimum of 1 hour.
- Spray sealer to approximately 4 wet mil thickness.
- When sealer is completely dry, hand sand all surfaces using 320 grit sandpaper. Make sure to sand in same direction as the wood grain.
- Apply the glaze to the entire surface and wipe the excess glaze off with a lint free rag, leaving the desired amount of glaze in profiled areas. When matching existing products, make sure the same amount of glaze is left on the surface of the product being glazed as is on the product to be matched. Allow glaze to dry for 1 hour.
- Spray on topcoat to approximately 4 wet mil thickness.
- Allow topcoat to dry for a minimum of 4 hours before handling.

DuraGuard Finishing Instructions (continued)

Mixing Topcoats and Sealers

Follow this process when using DuraGuard topcoats and sealers and DuraPure topcoats and sealers to match products finished by Conestoga.

- Always use a lined can or plastic container when adding catalyst. Do not catalyze in an unlined metal can.
- Slowly pour the pre-measured container of catalyst into the gallon container of sealer or topcoat. Thoroughly agitate topcoat material, making sure there is no residue on the bottom of the can. Agitation must be continuous. **Do not over catalyze!**
- Once the catalyst has been added, the chemical interaction of the mixture results in a 24 hour “pot life”. After this 24 hour time frame, the mixture begins to cure rendering it unusable.
- Catalyst ratios are listed below.
- We strongly recommend against attempting to extend the pot life of sealer or topcoat by adding virgin material, as it will disrupt the catalyst ratio.
- Spray topcoat to a thickness of 4 wet mils.

Topcoat/Sealer	Amount of Catalyst
Conversion Varnish Products	
Sealer	4.0 ounces of catalyst V66V21 per gallon
15° (low sheen) topcoat	4.0 ounces of catalyst V66V21 per gallon
40° (medium sheen) topcoat	4.0 ounces of catalyst V66V21 per gallon
DuraPure Products	
Sealer	2.5 ounces of catalyst V66V70 per gallon
Low luster topcoat	2.5 ounces of catalyst V66V70 per gallon
Medium luster topcoat	2.5 ounces of catalyst V66V70 per gallon

Topcoat Application Guidelines

- All standard Wiping and Truetone stains default to 40° topcoat. 15° topcoat available upon request. DuraPure sealer and topcoat optional.
- All standard Wiping and Truetone stains with glazes default to 15° topcoat. 40° topcoat available upon request. DuraPure sealer and topcoat optional.
- All Weathered Grain products finished with wiping stains, wiping stains with glazes, Colourtones and Colourtones with glaze default to 5° topcoat. 15° topcoat available upon request. 40° topcoat not available with Weathered Grain products.
- Antiquing, Distressing and Wear Sanding options selected with wiping stains and wiping stains with glazes default to 15° topcoat. 40° topcoat is available upon request.
- Antiquing, Distressing and Wear Sanding options and Heirloom finishes added to Colourtone, Colourtone with glaze, Prism Paint or Prism Paint with glaze default to 15° topcoat. 40° topcoat not available with any of these finish and option combinations.

DuraGuard Finishing Instructions (continued)

Truetones - Low Complexity

Use this process to match Conestoga's Low Complexity Truetone finishes which include: Butter Rum, English Toffee and Sienna.

- White wood sand with an oscillating palm sander using 180 grit sandpaper.
- Using spray equipment apply Truetone stain material over wood with even wet coats until the desired color is achieved. **(Diaphragm pump and HVLP gun recommended for spray application).**
- Allow stain to dry for a minimum of 30 minutes.
- Spray sealer to approximately 4 wet mil thickness.
- When the sealer is completely dry, sand sealer with fine grit (220-280) sandpaper using an oscillating palm sander on all flat surfaces. Hand sand all profiles with 220 grit sandpaper.
- Spray on topcoat to approximately 4 wet mil thickness.
- Allow topcoat to dry for a minimum of 4 hours before handling.

Truetones - High Complexity

Use this process to match Conestoga's High Complexity Truetone finishes which include: Ashen, Cocoa, Merlot and Shale.

- White wood sand with an oscillating palm sander using 180 grit paper.
- Using spray equipment apply the desired Truetone stain material as the base color over wood with multiple light passes until uniform coverage is achieved. It may take as many as 4 to 6 light passes spraying in opposite directions to get uniform coverage on the board surface. DO NOT apply heavy wet coats as this may cause modeling and blotchiness in the spray stain. **(Diaphragm pump and HVLP gun recommended for spray application).**
- Allow the Spray Stain to dry for a minimum of 30 minutes.
- Apply the matching Truetone wiping stain over the pre-stained wood. Wipe all surfaces clean with a lint free rag.
- Allow the wiping stain to dry for a minimum of 1 hour.
- Spray sealer to approximately 4 wet mil thickness.
- When the sealer is completely dry, sand sealer with fine grit (220-280) sandpaper using an oscillating palm sander on all flat surfaces. Hand sand all profiles with 220 grit paper.
- Spray topcoat to approximately 4 wet mil thickness.
- Allow topcoat to dry for a minimum of 4 hours before handling.

Glaze Over Truetones

Use this process to apply glaze over all Conestoga Truetones.

- Follow application instructions for desired Truetone finish.
- Allow Truetone to dry for a minimum of 30 minutes.
- Spray sealer to approximately 4 wet mil thickness.
- When sealer is completely dry, hand sand all surfaces using 320 grit sandpaper. Make sure to sand in same direction as the wood grain.
- Apply the glaze to the entire surface and wipe the excess glaze off with a lint free rag, leaving the desired amount of glaze in profiled areas. When matching existing products, make sure the same amount of glaze is left on the surface of the product being glazed as is on the product to be matched. Allow glaze to dry for 1 hour.
- Spray on topcoat to approximately 4 wet mil thickness.
- Allow topcoat to dry for a minimum of 4 hours before handling.

DuraGuard Finishing Instructions (continued)

Legal Disclaimers

- Conestoga's DuraGuard finishes are industrial in nature, unlike finishes purchased at a retail store. Although they are of higher quality than most finishes, Conestoga's coatings are also more combustible, more volatile and require a greater level of expertise to apply. Due to the complexities involved with any finishing process, Conestoga will not be liable for any damages or injuries resulting from the use of this product, even if every precaution is taken by the customer. Conestoga's liability is limited to the original purchase price of the finishing material.
- In order to best match any DuraGuard finish color, it is important to follow the processes outlined on the previous pages. If these steps are not followed, your finished product may not match the products purchased from Conestoga. However, please bear in mind that following these procedures will not always guarantee an exact match. Due to the many variables involved in any finishing process, Conestoga assumes no responsibility if products finished by the customer using the DuraGuard system do not produce an exact match to prefinished products purchased from Conestoga.

Important Note: All drying times mentioned in this document are to be used as guidelines only. The actual drying time will vary according to the climate in which the finish is applied.

- The DuraGuard finish system is scientifically designed so that each of the materials, from basecoat or stain, to topcoat, work with one another, thereby providing a beautiful protective finish for your wood products. Finish materials not sold by Conestoga may react unfavorably with DuraGuard finishing materials causing poor topcoat adhesion, discoloration or other problems.
- Color variation can occur on separately ordered jobs. Conestoga cannot guarantee color matches on material ordered at different times. Length of time between orders may also be a factor affecting color variation. Environmental factors where existing material is stored or installed may affect finished products to the degree of causing an appearance different to that of a newly finished product. To better ensure consistency of appearance, Conestoga recommends against placing partial orders.

Health and Safety information

Refer to SDS for health and safety information. Log on to www.conestogawood.com/sds for 24 hour access to SDS information.

Care and Cleaning of Fine Kitchen Cabinetry

- The DuraGuard topcoat offers the utmost protection for kitchen cabinet applications and provides superior chemical and common kitchen stain resistance while maintaining color and sheen.
- DuraGuard topcoats require minimal care and cleaning. We recommend periodic cleaning with a mild detergent and water solution to remove dirt, dust and grease that buildup with routine usage. Dampen a soft, non-abrasive cloth and wipe entire exterior surface of cabinetry and dry with a soft cloth. Never use a wet cloth that allows water to run down the cabinetry and always dry cabinetry immediately if water is spilled onto the surface.
- Care should be taken not to use abrasive cleansers, ammonia or any other type of harsh chemical. These cleaning agents may cause discoloration, scratching, marring and dulling of the finish. We also discourage use of furniture polishes and waxes on finished cabinetry. Furniture polishes alter the original sheen level and may leave a film on the surface that attracts dust and dirt. These polishes may also cause an irregular or blotchy appearance because they are unable to stand up to many common kitchen stains.