

Section 9900

Interior Finishes

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Section I - Interior Wood Finishing

All interior wood to be finished must be free of dirt, marks, fingerprints and other surface contaminants. Do Not assume that new wood is free of contamination. All interior new wood must be cleaned before coating.

A. Preparation and cleaning of new, interior log homes as follows:

1. Sand with open coat, non-stearated sand paper 150 grit combined with a random orbital sander or use a medium/fine sanding sponge.
2. Sand with the grain.
3. Remove dust by duster brush and/or compressed air. Do not use tack clothes.

Note: All interior log walls and planked ceilings will develop a "patina" that when sanded through will reveal a lighter color substrate. If sanding is the preparation of choice be prepared to sand everything to produce an even looking surface.

CAUTION: Do not use steel wool. Particles that might remain on the surface can rust.

Preparation Alternative

Note: All interior power washing should be done prior to drywall, finished flooring, or windows if possible. All water must be channeled, contained and removed after washing to prevent damage to sub-flooring.

1. Mask windows (if necessary) from overspray of cleaner and brightener by masking with 3M film.
2. Mix the Wood Iron Maintenance Cleaner according to directions for cleaning new wood.
3. Apply Wood Iron Maintenance Cleaner liberally to all log surfaces. If ceilings are marked or marred then apply (AMC) Wood Iron Maintenance Cleaner solution to these areas as well. Apply Maintenance Cleaner with an airless sprayer or pump up sprayer.
4. Mist or dampen the surfaces that have cleaner on them just before washing if the cleaner has dried.
5. Set pressure washer pressure setting at 1,000 psi maximum.

CAUTION: Pressure washing can damage wood. Be familiar with the proper pressure and technique before operating the equipment.

6. Wash walls from the bottom up. Wash the ceilings only if necessary.

7. After the log surfaces are washed rinse completely. Rinse walls from the top down.

B. Brightening and Sanitizing new interior logs as follows:

1. Mix the Wood Iron Brightener according to directions for brightening.
2. Apply the Brightener/Sanitizer solution to clean, slightly damp wood.
3. Apply the solution liberally to all wood surfaces. Wood Iron Brightener can be applied with an airless or pump up sprayer.

Note: Applying Wood Iron Brightener to dry pine may create a yellowing effect. Make certain that the Brightener is applied to slightly damp wood. If yellowing occurs it is reversed by re-applying Wood Iron Maintenance Cleaner to the affected area and rinsing again.

4. When wood does not change after additional brightener is applied the surfaces are ready to rinse.
5. Rinse all surfaces.

Note: Some mineral stains such as rust may not come completely out. To remove these types of stains completely it may be necessary to reapply the Wood Iron Maintenance Cleaner mixed double strength and try again OR sand until completely gone.

C. Sealing logs and planked ceilings with Wood Iron Water-Based Top Coat for Seal Coat

Note: Logs and planked ceilings finishing prior to drywall and trim installation. All interior finishes must be applied to completely dry wood.

1. Apply Top Coat by brush or airless spray. If brushing, add "Extend" as recommended.
Spray recommendations: Tip Size 3:09 reversible Pressure 2,500 psi
2. Spray as you would apply a lacquer-based sand sealer. Overlap each pass by 50% with the succeeding pass. Coverage is approximately 400 sq. ft. per gallon.
3. If orange peeling texture is evident move the spray gun closer to the surface. If bubbles are evident turn the pressure up and move slightly faster. If there are missed areas wait until sealer is completely dry and then reapply to the entire piece.
4. Check with a glancing light to make sure all areas are sealed evenly.
5. Wait until seal coat is completely dry or up to 1 hour.
6. Sand with 150-220 grit open coat sandpaper combined with a random orbital sander and/or a medium to fine sanding sponge.
7. If the surface is stained and sanded "through" exposing unstained wood reapply the Wood Iron water-based stain. The stain will "burn" into the seal coat after sanding. Wipe off excess. Reapply and re-wipe if necessary.
8. After all sanding is complete, dust with a duster and/or compressed air.
9. Wear a dust mask to protect your health.

Safety Precaution

Wood Iron Interior Finishing products are non-flammable. However, when spraying wear a respirator and spray in a well-ventilated area.

D. Applying Wood Iron Top Coat for Finish Coat

Note: Check to be sure that all surfaces are ready for a finish. Surfaces should be free of dust. If wood is stained the stain should be even and complete. (See Preconditioning & Staining) Surface should be smooth with no rough areas.

1. Apply Top Coat by brush or airless spray. If brushing, add "Extend" as recommended.
Spray recommendations: Tip Size 3:09 reversible Pressure 2,500 psi
2. Spray as you would apply a lacquer-based top coat. Overlap each pass by 50% with the succeeding pass. Coverage is approximately 400 sq. ft. per gallon.
3. If orange peeling texture is evident move the spray gun closer to the surface. If bubbles are evident turn the pressure up and move slightly faster. If there are missed areas wait until sealer is completely dry and then reapply to the entire piece.
4. Check with a glancing light to make sure all areas are sealed evenly.
5. Allow to dry completely or for 1 hour before moving.
6. Furniture finished can be packaged within 6 hours and stacked within 48 hours.

Note: Top Coat is a high solids finishing material. On trim, one coat of Preconditioner, Sanding Sealer and one coat of Top Coat is all that is recommended. On furniture, doors, cabinets, or other high wear surfaces, two coats of Top Coat should be applied. Available in semi-gloss and satin.

7. If a second coat is required apply within 1 to 24 hours of first coat application without sanding. If second application is done after 24 hours of first coat lightly burnish the surface with 220-grit open coat sandpaper prior to application.

Safety Precaution

Wood Iron Top Coat is non-flammable. However, when spraying wear a respirator and spray in a well-ventilated area.

E. Preconditioning of interior trim, windows, and doors.

Note: Preconditioning helps wood to absorb stain more evenly. It is highly recommended on highly visible pieces such as furniture, doors, cabinets, etc. It is also recommended for specific types of wood such as pine, oak, cherry, poplar, or other woods prone to grain raise. Preconditioning is not recommended for logs or planked ceilings unless they are being stained.

1. Make certain any wood to be conditioned is clean and free of defects.
2. Apply preconditioner by brush or airless spray.
Spraying: Tip Size 3:09 reversible Pressure 2,000 psi

- Brushing: Apply liberally, wipe afterward with a clean white rag.
3. Apply evenly to all areas of the wood being conditioned. If spraying slightly overlap as you spray. If brushing work one section at a time.
 4. Coverage approximately 400 - 500 sq. ft. per gallon
 5. Allow 30 minutes to dry.
 6. Sand all conditioned surfaces with open coat, non-stearate 150 grit sandpaper combined with a random orbital sander or a medium/fine sanding sponge.
 7. Remove dust by duster brush and/or compressed air. Do not use tack clothes.
 8. Wear a dust mask while working to protect your health.

F. Staining with Wood Iron Water-Based Stains

Note: Open time (dry time) can be slowed by adding "Extend" if necessary (See instructions and quantity recommendations on the label). More open time may be required for darker stains or larger projects. Preconditioning also helps to improve the workability of the stain.

1. Check to make sure stain color selection is correct. Apply stain by brush or airless spray. Spray in a well-ventilated area or spray booth.
2. Apply liberally. Soak all areas.
Spraying: Tip Size 3:09 reversible Pressure 2,000 psi
Brushing: Apply liberally. Keep a wet edge.
3. Wipe afterward with Bounty paper towels or a clean white rag. Wipe with the grain. Do not allow stain to dry during wiping. If stain dries during wiping re-wet the entire surface with more stain or remove with lacquer thinner and start over.
4. Dispose of all wiping paper towels or rags as normal trash. Materials soaked in the Wood Iron water based stains will NOT spontaneously combust.
5. Clean up with soap and water.
6. Seal and finish stained surfaces. (See Sealing and Finishing sections)

Note: Unlike oil based or lacquer based systems sealing can be done immediately after stain is wiped when using the Wood Iron Water-Based Top Coat.

CAUTION: Although oil base stains are not recommended as part of the Wood Iron finishing system, they can be used. Allow all oil base stain to dry 24 - 48 hours before sealing

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