

Restore-X®
THE KEY TO EASY DECK
RESTORATION PROJECTS & INCREASED
CUSTOMER SATISFACTION.

Restore-X® restores the natural beauty of old wood with a biodegradable, odorless, non-flammable and environmentally friendly liquid product. Restore-X® Wood Restoration Products refurbish weathered wood or deteriorated, semi-transparent stain or clear exterior finish. It replaces old practices of sanding and scraping with the less labor-intensive process of applying a liquid. There is no need to cover old wood in solid stain or paint when you can restore it to its natural beauty. They are also water based for easy clean-up and specially formulated for your safety.

RESTORE-X® Products

Restore-X® Exterior Finish Remover (EFR) is formulated for the average exterior stain or weathered and degraded paint removal task. It is designed to provide a safe, swift and economical alternative to the conventional methods of surface preparation. Restore-X® EFR will clean and remove deteriorated coatings. Some paint which is not deteriorated, particularly porch and deck enamels and certain latex paints with acrylic, may not be removable. As a real problem solver, it is perfect for window frames, moldings, fascias, soffits, handrails, shutters, trelliswork, gutters, cornices, patio furniture and siding. Restore-X® EFR is also excellent for surface preparation of aluminum siding. It will remove the chalking, deteriorated coating and etch the aluminum for re-coating in one process. EFR has been specifically formulated for use on vertical surfaces by clinging to the substrate. (Because of the viscosity necessary for vertical cling, spraying EFR is not recommended.)



Restore-X® Exterior Wood Deck Cleaner is the first step in restoring the beauty of exterior unfinished and semi-transparent stained woods that are weathered and have dirt deposits or stains. Now it is possible to remove old semi-transparent stain that has lost its original appearance. Restore-X® Deck Cleaner dissolves old stain and accompanying watermarks and eliminates the graying effects of weathering by removing the deteriorated wood cells, mildew, pollutants, etc., that cause discoloration. Old wood looks new again and unsightly semi-transparent stain is easily removed. No longer is it necessary to cover up with solid stain or paint. Restore-X® Deck Cleaner is the answer for decks, wood siding, fences, benches, planters, patio furniture, and other exterior wood surfaces.



Restore-X® Exterior Wood Brightener is a citrus based product that brightens the wood grain appearance to bring out the brilliance of the wood and its grain features. Exterior Wood Brightener is an excellent product that can be used as a stand alone or as step #2 after the Deck Cleaner or EFR. Exterior Wood Brightener is available in a liquid or a 6 oz. package concentrate that makes 1 gallon.



GENERAL INSTRUCTIONS FOR USING Restore-X® PRODUCTS

1. READ LABEL DIRECTIONS ON ALL CONTAINERS CAREFULLY and note specific instructions for Restore-X® EFR, Deck Cleaner and Wood Brightener contained in this guide.

2. Conduct several small test samples in inconspicuous areas (one foot square). It is essential to conduct several tests in different areas, as the condition of the surface will vary depending on the extent of exposure to the elements. Monitor the time it takes and the amount of product used to achieve satisfactory results. This test sample will help you bid the job accurately and schedule the amount of time necessary to complete the project.

3. Materials and equipment: Having the proper materials and equipment available before applying Restore-X® will help ensure the success of your project. Your experience will bear this out. The following items are highly recommended:

- Rubber Gloves and Boots
- Eye Protection (goggles)
- High-Pressure Washer, Hoses, etc.
- Duct Tape and Plastic (to protect aluminum)
- Synthetic Rollers and Brushes only
- All Stainless Steel Airless Sprayer
- Sprayer for Deck Cleaner or Wood Brightener (pump-up garden Type)
- Respirators (only if Restore-X® is sprayed)

Sprayer Equipment: Airless spray equipment is recommended for Deck Cleaner and Wood Brightener. All Internal sprayer parts (fluid section) must be stainless steel, Teflon, plastic, or nylon. **DO NOT USE Restore-X®** in spray equipment (fluid section) with aluminum alloy or leather internal parts or packings. **CAUTION:** Do not pump Restore-X® through old paint lines! Residual paint remaining in the hose will be sloughed off and will clog the spray tip.

4. Take care of the landscape. Rinse shrubs and surrounding lawn before and after treatment.

5. Preparing the surfaces. Mask all aluminum windows and door frames securely with silver duct tape and plastic (or other non-porous leak-resistant tape). This is important as Restore-X® will remove anodizing from metals and discolor aluminum. If Restore-X® does come in contact, rinse immediately and thoroughly with water. If damage does occur, contact the window/door frame manufacturer. Use with extreme caution on doors. Water may seep through paneled doors staining interior surfaces. With hardwood doors, water may cause both darkening and a raising of the grain.



6. Application: Before applying Restore-X®, thoroughly wet the surface and broom off excess water. This encourages even penetration of the product. Three important steps to remember when applying Restore-X®: 1) apply a heavy coat using only synthetic brushes or rollers, 2) keep the surface from drying by misting with water* if necessary, and 3) wait for the product to do the job.

*An alternate method for keeping the surface damp: After application of Restore-X®, use 1 mil plastic sheeting to cover the surface. Place plastic against product; plastic will stay in place, reduce moisture evaporation and speed removal.

7. WAIT!

EFR: It is very important to allow Restore-X® time to dissolve the deteriorated finish and weathered wood. Latex paints may take considerably longer than oil base paints; so do expect some variation in removal time. Take a break while Restore-X® works for you, and then test several areas with a stiff brush and water. If the results are satisfactory, proceed with removal. Typically, removal times vary from 1-4 hours. If a second coat is required, wash away the first coat and reapply. Note: If recoating with paint or a solid-body stain, complete removal of weathered paint or stain may not be necessary. Any remaining stain or paint may provide a good substrate for adhesion. You will need to test the remaining paint or stain to determine if it is suitable for recoating.

Deck Cleaner: Unfinished weathered wood will take 1 to 15 minutes. Deteriorated stain in exposed areas removes in as little as 5 minutes. Stain in protected areas may require up to 1 hour. Expect some variation in the time required. Mist lightly with water every 15-20 minutes.

Wood Brightener: All wood should be clean before using Wood Brightener. Pressure wash surface or use EFR or Deck Cleaner before using Wood Brightener. All applications should be

left to work 5-15 minutes. If first application leaves an uneven finish or does not brighten to your desired finish, simply reapply.

8. Removal: For large projects, a pressure washer will greatly increase productivity. Remember, however, that a pressure washer can do damage when used improperly. Be careful not to place the nozzle too close to bare wood or windows. Use a fan tip that will not "drill" the surface. Rinse the surface thoroughly, but do not overwork stubborn finishes with the pressure washer, as damage to surrounding exposed surfaces may result. Rather, simply spot apply Restore-X® and repeat the procedure. Remember, it is not necessary to achieve 100% removal during surface preparation. Paint that still maintains a good bond with the underlying material can provide a satisfactory surface for repainting or staining with a solid-body stain. If a pressure washer is not at your disposal, be sure to agitate the surface in one direction (with the grain) to promote removal of stains or weathered wood. **Do not "scrub back and forth"**. Because Restore-X® is removing old deteriorated wood cells, it can cause tiny "hairs" to develop on the surface. Scrubbing back and forth can magnify this effect. Too much of this can require sanding, which defeats the purpose of this product. Agitating in one direction with the grain will help to keep these "hairs" from exposing themselves.



9. Refinish the Surface: To ensure a lasting natural wood color, always complete the Restore-X® process by applying a clear finish, wood preservative or semi-transparent stain as soon as possible. Time is less important when repainting, but avoid long delays that may allow dirt and/or mildew deposits. Contact your Restore-X® Dealer about 02C Series Penetrating Wood Finishes.



Restore-X® EFR REMOVAL TIMETABLE

The following estimates are intended as a general guideline only.

Do not use for bid purposes!

Average Waiting Time

Flat Latex	2 hours
Latex Enamel	3 hours
Oil Base House Paint	1 hour

Oil Enamel - Eggshell, Satin, Semi-Gloss

1 hour

Oil Enamel - Gloss 3 hours

Heavy-Bodied Latex Wood Stain 1 hour

Solid Bodied Oil Wood Stain 1 hour

Iron Primers 2 hours

Porch and Deck Enamel 4 hours

Clear Wood Finishes 1 hour

(water sealers, varnish...)

EFR is intended for deteriorated surfaces.

There may be substantial differences between protected and unprotected areas on the same building. Testing in more than one location is recommended.

Restore-X® DECK CLEANER REMOVAL TIMETABLE

The following estimates are intended as a general guideline only.

Do not use for bid purposes!

Finish Average Waiting Time

Weathered Wood 1-15 min.

Semi-Transparent Oil Wood Stain 5-45 min.

Semi-Transparent Latex Wood Stain 5-60 min.

TECHNICAL DATA SHEET Restore-X®**EXTERIOR FINISH REMOVER**

Green color, heavy bodied liquid

Approximately 50,000 cps

8.7 lbs/gal

1.05

12-13

Stable to 32°F (0°C). If

freezing occurs, thaw and stir product.

Will vary according to surface texture and thickness of coatings to be removed. Normally, one gallon will cover about 100 to 200 ft².

1 and 5 gallon plastic pails

Non-flammable

Water Soluble

RESTORE-X® EXTERIOR WOOD DECK CLEANER

Red color, liquid

Approximately 20,000 cps

8.44 lbs. /gal.

1.01

12-14

Stable to 32°F (0°C). If freezing occurs, thaw and stir product.

Will vary according to surface texture and thickness

of coatings to be removed. Normally, one gallon will cover about 175 to 300 ft².

1 and 5 gallon plastic pails

Water Soluble

RESTORE-X® EXTERIOR WOOD BRIGHTENER

Yellow color, liquid

Water thin Material

8.45 lbs. /gal

1.01

2-3

Stable to 32°F (0°C). If freezing occurs, thaw and stir product.

Will vary according to surface texture and thickness of coatings to be removed. Normally, one gallon will cover about 175 to 300 ft².

1 and 5 gallon plastic pails

Non-flammable

Water Soluble