



# Product Specifications



**Product Name:** X-100 Natural Seal® Wood Protective Coating

**Manufacturer:** American Building Restoration Products, Inc.

**PRODUCT DESCRIPTION:** X-100 Natural Seal® Wood Protective Coating formula is an oil based protective coating consisting of essential wood protecting ingredients. X-100 Natural Seal® Wood Protective Coating is designed to penetrate the wood, protecting against cracking, splitting, cupping, curling, sap stain, mold and mildew and against the environmental forces of wind, rain, snow, ice and sun. X-100 Natural Seal® Wood Protective Coating is for use on all wood surfaces including cedar, redwood, pine, plywood, T1-11, cypress, fir, dimensional lumber, siding, decking, logs and roofs. X-100 Natural Seal® Wood Protective Coating is available in transparent and semi-transparent stains. This transparent technology enables the natural wood grain to show through allowing for a natural wood finish.

**COVERAGE:** Sidewalls: Smooth or rough sawn lumber including logs, first coat 100 sq. ft. per gallon. Second coat 200 sq. ft. per gallon. Roofs: 75-150 sq. ft. per gallon, depending on porosity of surface.

**VOC CONTENT LIMIT:** Less than 250 grams per liter VOC (2.89 lbs. per gallon).

**PACKAGING:** One, five and fifty-five gallon containers.

**PROPER SURFACE PREPARATION:** To achieve the maximum effectiveness of this product the surface must be cleaned of dirt, mildew, loose wood fibers, chalky residue, foreign matter and must be dry.

**NEW WOOD:** Surface must be dry with moisture below 15%. Remove mill glaze/shiny lumber, tannic acid bleed, rust stains from fasteners, weathered grey and dirty wood with X-180 Weathered Wood Restorer™.

**EXISTING COATING (OTHER THAN X-100 FINISHES):** Strip the existing finish with Super Bio Strip™ or other, appropriate ABRP, Inc. coatings remover. **NOTE:** Before beginning removal process test to determine removal product suitability, dwell time and dilution ratio if applicable. Clean with X-180 Weathered Wood Restorer™ or required to produce consistent surface color. Failure to remove the existing coating will cause unsatisfactory finish results. Removal of the existing coating by methods other than what is specified may produce unsatisfactory finish results.

**DIRECTIONS FOR USE:** Mix X-100 Natural Seal® Wood Protective Coating well before using. A test area

should be performed before beginning overall project to determine the amount of X-100 Natural Seal® Wood Protective Coating the wood will absorb, dry time, wood porosity and total desired look. Fully protect all adjacent surfaces, as well as, general work area. When spraying near vegetation, cover plant life with cardboard or other suitable material in case of overspray.

**FOR BEST RESULTS AND OPTIMAL PENETRATION:** APPLY TO DRY WOOD. DO NOT APPLY IF RAIN IS IMMINENTLY FORECASTED. BOTH SURFACE AND AIR TEMPERATURE MUST BE ABOVE 50°F.

**FOR LUMBER THAT IS NOT DRIED OR SEASONED:** X-100 Natural Seal® Wood Protective Coating is formulated to protect damp wood. However, the duration of protection will be in direct relationship to how much X-100 Natural Seal® Wood Protective Coating the wood will absorb.

**HELPFUL HINTS:** For further protection, apply X-100 Natural Seal® Wood Protective Coating on all sides of the wood. If the application has to be interrupted, stop at a corner as opposed to the middle of the wall.

**APPLICATION:** 1. Apply X-100 Natural Seal® Wood Protective Coating with a brush, or low pressure sprayer. If using a low pressure sprayer always back brush into surface. Work vigorously into all surfaces. 2. Apply as much X-100 Natural Seal® Wood Protective Coating as the wood will absorb. **NOTE:** If after a 12 hour period the surface remains oily, over-application has occurred use ABR® Deck & Siding Wash to remove the excess finish. Failure to do so in a timely manor will result in unsatisfactory performance of the finish. 3. To avoid runs and streaking, back brush product from surfaces before drying. Rough sawn wood will generally absorb more product evenly; however, it will still require back brushing. 4. Keep a wet edge to avoid lap marks. 5. If the wood can absorb more X-100 Natural Seal® Wood Protective Coating and extra protection or more depth of color is desired, apply an additional coat of X-100 Natural Seal® Wood Protective Coating at a later date.

**DRY TIME:** Allow at least 24 hours to dry.

**CLEAN UP:** Use mineral spirits or dish detergent and water. If X-100 Natural Seal® Wood Protective Coating should get on surfaces such as glass, paint, metal, caulking or rubber, remove immediately with dish detergent. If a spill is dry, clean with mineral spirits.

**AVAILABILITY:** Available through distributors and dealers across the United States and Canada.

**NOTICE:** The information and recommendations made herein are based on ABRP, Inc., research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because ABRP, Inc., cannot anticipate every possible application of ABRP, Inc., products, nor anticipate every variation encountered in project surfaces, job conditions, and methods used. For this reason, purchasers shall make their own tests to determine the suitability of such products for a particular purpose. Purchasers assume all risk of use, application and handling of products. Statements concerning the possible use of ABRP, Inc., products are not intended as recommendation to use ABRP, Inc., products in the infringement of any patent.

**LIMITED WARRANTY:** This warranty is valid for one year from the date of product purchase. Purchaser's claims recovery is limited solely to the following warranty from ABRP, Inc., if the product herein is shown to be defective: ABRP, Inc., at its option, will either replace the product or refund the purchase price. Contact ABRP, Inc., to make claim under this warranty. The purchaser must have proof of purchase from the label and the original sales receipt. Proper surface preparation is essential to the product's performance and is a necessary prerequisite for triggering ABRP, Inc.'s obligation under this warranty. Read and follow label directions and observe all safety precautions in the use of this product. ABRP, Inc., further disclaims, and shall not be liable for, incidental, consequential or indirect damage and/or personal injuries including death arising from the use of this product or the cost of labor involved in its application or any reapplication of product that is replaced. **SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE USE OF THIS PRODUCT OTHER THAN INDICATED ON THE LABEL. BUYER ASSUMES ALL RISK OF USE AND/OR HANDLING OF THIS MATERIAL WHEN SUCH USE AND/OR HANDLING IS CONTRARY TO LABEL INSTRUCTIONS. NO OTHER WARRANTIES ARE MADE, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ALL EVENTS, ABRP, INC.'S LIABILITY SHALL BE LIMITED SOLELY TO REPLACEMENT OF THE PRODUCT PROVIDED ABOVE.** This limited warranty may not be modified or extended by manufacturer's representatives, distributors or dealers of ABRP, Inc., products. This warranty gives the purchaser specific legal rights, as well as rights which may vary from state to state. ABRP, Inc. specifically disclaims any and all other obligations or liability to any party relative to the sale, use or application of its products.

**TECHNICAL SERVICES:** ABRP, Inc., employs in-field technical representatives to answer questions for architects, building owners and contractors.

**REFERENCING:** Catalog, product specifications, brochures, list of national registered historical landmarks restored with ABRP, Inc., products and video training tapes demonstrating a variety of cleaning and restoration projects being performed with ABRP, Inc. products are available upon request. For more information on many of the specialty building restoration products available to you, please see our website at [www.abrp.com](http://www.abrp.com) or e-mail ABRP, Inc. at [abrp@abrp.com](mailto:abrp@abrp.com).

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# Product Specifications

**Product Name: X-100 Natural Seal® Pre Finish**

**Manufacturer: American Building Restoration Products, Inc.**

**PRODUCT DESCRIPTION:** X-100 Natural Seal® Pre Finish™ is an oil-based, low VOC penetrant and stabilizer designed as the first step in a two step process for use on horizontal and vertical wood surfaces. X-100 Natural Seal® Pre Finish™ is designed to protect wood from ultraviolet radiation, water intrusion and ultimate log/wood degradation by integrating metallic UV inhibitors and zinc borates with water repellents within its formula. Scientific studies have shown that applying a UV log/wood pre-finish/stabilizer will ultimately protect future finishes from cracking, chipping, peeling and fading. X-100 Natural Seal® Pre Finish™ extends color fastness while addressing certain harsh elevation and climate conditions. This is achieved by isolating certain solvent-borne wood stabilizing ingredients. These ingredients enable the X-100 Natural Seal® Pre Finish™ to penetrate the wood to deeper levels, enabling the colorant to migrate further within the wood, which ultimately extends the life of the finish. X-100 Natural Seal® Pre Finish™ stabilizes the wood, protecting the second semi-transparent coat by bonding with the initial pre-finished/stabilized wood.

**PRECAUTIONS:** Read the entire material safety data sheet and product label for a more thorough evaluation of hazards. Fully protect all adjacent surfaces as well as general work area. When spraying near vegetation, cover plant life with cardboard or other suitable material in case of overspray.

**ENVIRONMENTAL HAZARDS:** This product maybe toxic to fish. Do not apply directly to water, to areas where surface water is present or to inter tidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters. Do not use on wood that will be in direct contact with soil.

**COVERAGE:** New, dense or unseasoned wood - 300 to 400 sq. ft. per gallon, depending on porosity of surface. Old, seasoned or weathered wood - 200 to 300 sq. ft. per gallon, depending on porosity of surface.

**VOC CONTENT LIMIT:** Less than 550 grams per liter.

**PACKAGING:** One, five and fifty-five gallon containers.

**FOR BEST RESULTS AND FOR OPTIMAL PENETRATION:** Apply to dry wood. Do not apply if rain is imminently forecasted. BOTH SURFACE AND AIR TEMPERATURE MUST BE ABOVE 50° F. PROPER SURFACE PREPARATION IF YOU HAVE NEW OR OLD, DIRTY OR WEATHERED WOOD- (Including sidewalls, decks, fences, dimensional lumber, roofs, logs and most other wood/log structures.) 1. Clean with X-180 Weathered Wood Restorer™ or other ABR® Product. 2. Apply a coat of the stabilizing X-100 Natural Seal® Pre Finish™. If color is desired, select from a wide variety of pre-mixed, ready-to-use X-100 Natural Seal® Pre Finish™ transparent and solid color stains. 3a. **FOR SIDEWALLS:** Once the X-100 Natural Seal® Pre Finish™ is applied, your wood has sufficient protection for 12 months or longer before applying the recommended X-100 Natural Seal® finish coat. (If additional color depth is desired, it might be necessary to reapply X-100 Natural Seal® Pre Finish™ before the finish coat.) 3b. **FOR DECKING:** Once the X-100 Natural Seal® Pre Finish™ is applied, your wood

has sufficient protection for 1-3 years before applying an additional \*maintenance coat of X-100 Natural Seal® Pre Finish™. (It is not required to apply a finish coat on decking.) \*Maintenance coat for decks is defined as a thin wiped on, smoothed out application and is great for rejuvenating color! It is recommended to clean all surfaces with ABR® Deck and Siding Wash on an annual basis or as needed and always before reapplication of X-100 Natural Seal® products. Follow the complete X-100 Natural Seal® product specification sheets for detailed instructions.

**EXISTING COATING (I.E. FAILED FINISH):** 1. Strip the previous coating with the recommended ABR® product. **NOTE:** Before beginning the overall stripping project, test panels should always be made on all elevations to conclude satisfactory performance and dwell time. Follow the complete ABR® product instructions. 2. Follow Steps 1-3 as stated above.

**GENERAL DIRECTIONS:** It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Mix X-100 Natural Seal® Pre Finish™ well before using. A test area should be performed before beginning overall project to determine the amount of X-100 Natural Seal® Pre Finish™ absorption, dry time, wood porosity and total desired look. 1. Apply X-100 Natural Seal® Pre Finish™ with a brush, long handled staining pad or low pressure sprayer. Work vigorously into all surfaces. If using a low pressure sprayer always back brush into surface. Do not allow product to puddle. Wipe off excess product. 2. Apply as much X-100 Natural Seal® Pre Finish™ as the wood will absorb to reach a uniform appearance. **NOTE:** The same piece of wood may absorb differently in areas, so it may require a wet on wet application to even out penetration. 3. Keep a wet edge to avoid lap marks.

**CAUTION:** Use extreme caution while walking on a horizontal surface during application. Horizontal surfaces can become slippery during and just after product application.

**DRY TIME:** Each wood surface may have different dry times due to wood porosity. Under optimal conditions X-100 Natural Seal® Pre Finish™ will flash dry in approximately 30 minutes. Always check wood surfaces prior to usage.

**CLEAN UP:** Use mineral spirits or dish detergent and water. Should X-100 Natural Seal® Pre Finish™ come in contact with surfaces such as glass, paint, metal, caulking or rubber, remove immediately with dish detergent. If a spill is dry, clean it with mineral spirits.

**STORAGE:** Keep container closed when not in use. Store in a cool place. This product should be kept out of reach of children and stored away from food.

**DISPOSAL:** Do not reuse empty can. Wrap can and place in trash. Leaking or damaged containers should be placed in a plastic bag and discarded. Contact local, state or federal agencies to ensure compliance of proper disposal methods and respective regulations.

**AVAILABILITY:** Available through a network of distributors and dealers established in cities across the United States, Canada and Japan.

**NOTICE:** The information and recommendations made herein are based on ABRP, Inc., research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because ABRP, Inc., cannot anticipate every possible application of ABRP, Inc., products, nor anticipate every variation encountered in project surfaces, job conditions, and methods used. For this reason, purchasers shall make their own tests to determine the suitability of such products for a particular purpose. Purchasers assume all risk of use, application and handling of products. Statements concerning the possible use of ABRP, Inc., products are not intended as recommendation to use ABRP, Inc., products in the infringement of any patent.

**LIMITED WARRANTY:** This warranty is valid for one year from the date of product purchase. Purchaser's claims recovery is limited solely to the following warranty from ABRP, Inc., if the product herein is shown to be defective: ABRP, Inc., at its option, will either replace the product or refund the purchase price. Contact ABRP, Inc., to make claim under this warranty. The purchaser must have proof of purchase from the label and the original sales receipt. Proper surface preparation is essential to the product's performance and is a necessary prerequisite for triggering ABRP, Inc.'s obligation under this warranty. Read and follow label directions and observe all safety precautions in the use of this product. ABRP, Inc., further disclaims, and shall not be liable for, incidental, consequential or indirect damage and/or personal injuries including death arising from the use of this product or the cost of labor involved in its application or any reapplication of product that is replaced. **SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE USE OF THIS PRODUCT OTHER THAN INDICATED ON THE LABEL. BUYER ASSUMES ALL RISK OF USE AND/OR HANDLING OF THIS MATERIAL WHEN SUCH USE AND/OR HANDLING IS CONTRARY TO LABEL INSTRUCTIONS. NO OTHER WARRANTIES ARE MADE, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ALL EVENTS, ABRP, INC.'S LIABILITY SHALL BE LIMITED SOLELY TO REPLACEMENT OF THE PRODUCT PROVIDED ABOVE.** This limited warranty may not be modified or extended by manufacturer's representatives, distributors or dealers of ABRP, Inc., products. This warranty gives the purchaser specific legal rights, as well as rights which may vary from state to state. ABRP, Inc. specifically disclaims any and all other obligations or liability to any party relative to the sale, use or application of its products.

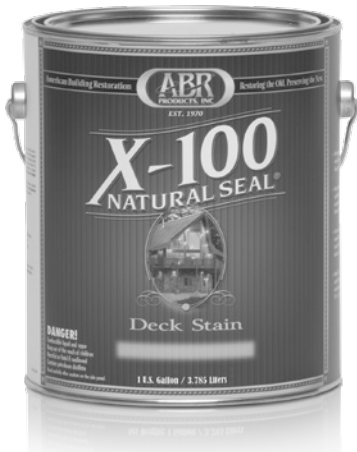
**TECHNICAL SERVICES:** ABRP, Inc., employs in-field technical representatives to answer questions for architects, building owners and contractors.

**REFERENCING:** Catalog, product specifications, brochures, list of national registered historical landmarks restored with ABRP, Inc., products and video training tapes demonstrating a variety of cleaning and restoration projects being performed with ABRP, Inc. products are available upon request. For more information on many of the specialty building restoration products available to you, please see our website at [www.abrp.com](http://www.abrp.com) or e-mail ABRP, Inc. at [abrp@abrp.com](mailto:abrp@abrp.com).

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# Product Specifications

**Product Name: X-100 Natural Seal® Deck Stain**

**Manufacturer: American Building Restoration Products, Inc.**

**PRODUCT DESCRIPTION:** X-100 Natural Seal® Deck Stain is an oil based, penetrating water repellent for use on decks. X-100 Natural Seal® Deck Stain is designed to penetrate the wood, protecting against cracking, splitting, cupping, curling, sap stain, mold and mildew and against the environmental forces of wind, rain, snow, ice and sun. X-100 Natural Seal® Deck Stain is V.O.C. compliant and is available in transparent and semi-transparent stains. X-100 Natural Seal® Deck Stain is for use on wood decks including cedar, redwood, pine, plywood, T1- 11, cypress and fir.

**COVERAGE:** New, dense or unseasoned wood 300-400 sq. ft. per gallon, depending on porosity of surface. Old, seasoned or weathered wood 200-300 sq. ft. per gallon, depending on porosity of surface.

**VOC CONTENT LIMIT:** Less than 250 grams per liter.

**PACKAGING:** One, five and fifty-five gallon containers.

**INSTALLATION:** Read label instructions and specification sheet carefully. Stain color will vary depending upon the color and porosity of the wood surface. Before proceeding always stain a test area to ensure desired appearance, penetration and proper drying time.

**SURFACE PREPARATION:** Proper surface preparation is vital. Product performance and durability are directly affected and will be impaired by unsound or poorly prepared surfaces. It is crucial that the surface be clean of all dirt, mildew, tannin stains, loose wood fibers and other foreign matter. Surfaces must be absolutely dry and in good condition.

**RESTRICTIONS:** Do not apply when air or surface temperature is below 50°F. Do not apply over wet or damp surfaces or when rain is imminent. Do not apply over previously painted or sealed surfaces, metal, masonry or to fresh stucco. Do not thin this product. Not intended for interior use. For exterior use only.

## PROPER SURFACE PREPARATION

**EXISTING COATING:** Strip the existing finish with Super Bio Strip™ or ABR Fast Finish Remover®. Finish the removal process by cleaning the wood with X-180 Weathered Wood Restorer™. **NOTE:** Before beginning removal process test to determine removal product suitability, dwell time and dilution ratio if applicable. Failure to remove the existing coating will cause unsatisfactory finish results. Removal of the existing coating by methods other than what is specified may produce unsatisfactory finish results.

**WEATHERED WOOD:** Wood with no finish that is simply weathered should be cleaned with X-180 Weathered Wood Restorer™ and a stiff bristle brush, or power washed (with low pressure) to remove the surface layer of all loose wood fibers, dirt, mildew, chalky residue, tannin bleed, nail and metal stains and other foreign matter.

**NEW WOOD:** Surface must be dry with moisture below 15%. Remove mill glaze/shiny lumber, tannic acid bleed, rust stains from fasteners, weathered grey and dirty wood with X-180 Weathered Wood Restorer™.

**MILDEW:** Remove mildew on the surface prior to staining with X-180 Weathered Wood Restorer™ (see surface preparation). Mildew is not caused by the stain, nor does it indicate stain failure.

**EXTRACTIVE BLEEDING:** Extractive bleeding is not caused by the stain, nor is it a stain failure. Use X-180 Weathered Wood Restorer™ to remove discoloration caused by extractive bleeding. Follow directions on label.

**DIRECTIONS FOR USE:** A test area should be performed before beginning overall project to determine the amount of X-100 Natural Seal® Deck Stain the wood will absorb and dry time to achieve the desired look. Fully protect all adjacent surfaces, as well as the general work area. When spraying near vegetation, cover plant life with cardboard or other suitable material in case of overspray.

**APPLICATION:** 1. Mix X-100 Natural Seal® Deck Stain well before using. Apply with a brush or low pressure sprayer. 2. Apply as much X-100 Natural Seal® Deck Stain as the wood will absorb. 3. To avoid runs and streaking, back brush product into all surfaces before drying. Work vigorously into all surfaces.

**DRY TIME:** Allow at least 24 hours to dry.

**HELPFUL HINTS:** For further protection, apply X-100 Natural Seal® Deck Stain on all sides of the wood.

**CLEAN UP:** Use mineral spirits or dish detergent and water. If X-100 Natural Seal® Deck Stain should get on surfaces such as glass, paint, metal, caulking or rubber, remove immediately with dish detergent. If a spill is dry, clean with mineral spirits.

**AVAILABILITY:** Available through a network of distributors and dealers established in cities across the United States and Canada.

**NOTICE:** The information and recommendations made herein are based on ABRP, Inc., research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because ABRP, Inc., cannot anticipate every possible application of ABRP, Inc., products, nor anticipate every variation encountered in project surfaces, job conditions, and methods used. For this reason, purchasers shall make their own tests to determine the suitability of such products for a particular purpose. Purchasers assume all risk of use, application and handling of products. Statements concerning the possible use of ABRP, Inc., products are not intended as recommendation to use ABRP, Inc., products in the infringement of any patent.

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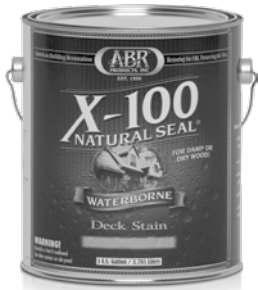
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# Product Specifications

**Product Name:** X-100 Natural Seal® Waterborne Deck Stain

**Manufacturer:** American Building Restoration Products, Inc.

**PRODUCT DESCRIPTION:** X-100 Natural Seal® Waterborne Deck Stain is a water repellent that accentuates the natural beauty of exterior wood. X-100 Natural Seal® Waterborne Deck Stain is designed to penetrate the wood, protecting against cracking, splitting, cupping, curling, sap stain, mold and mildew and against the environmental forces of wind, rain, snow, ice and sun. X-100 Natural Seal® Waterborne Deck Stain can be applied to DAMP or DRY wood. X-100 Natural Seal® Waterborne Deck Stain is V.O.C. compliant and is available in transparent and semitransparent stains. X-100 Natural Seal® Waterborne Deck Stain is for use on exterior wood surfaces including decks and fences, cedar, pine, redwood, pressure treated pine, plywood, T1-11, cypress, fir, spruce and exotic hardwoods.

**COVERAGE:** Smooth, dense surfaces 300-400 sq. ft. per gallon. Rough, porous surfaces 150-250 sq. ft. per gallon. Coverage is dependant upon the porosity of the surface.

**VOC CONTENT LIMIT:** Less than 250 grams per liter.

**PACKAGING:** One and five gallon containers.

**INSTALLATION:** Read label instructions and specification sheet carefully. Stain color will vary depending upon the color and porosity of the wood surface. Before proceeding always stain a test area to ensure desired appearance, penetration and proper drying time.

**SURFACE PREPARATION:** Proper surface preparation is vital. Product performance and durability are directly affected and will be impaired by unsound or poorly prepared surfaces. It is crucial that the surface be clean of all dirt, mildew, tannin stains, loose wood fibers and other foreign matter. Surfaces must be absolutely dry and in good condition.

**RESTRICTIONS:** Do not apply when air or surface temperature is below 50°F or above 90°F. Do not apply over previously painted or sealed surfaces, metal, masonry or to fresh stucco. Do not thin this product. Not intended for interior use. For exterior use only.

**EXISTING COATING:** Strip the existing finish with Super Bio Strip™ or ABR Fast Finish Remover®. Finish the removal process by cleaning the wood with X-180 Weathered Wood Restorer™. **NOTE:** Before beginning removal process test to determine removal product suitability, dwell time and dilution ratio if applicable. Failure to remove the existing coating will cause unsatisfactory finish results. Removal of the existing coating by methods other than what is specified may produce unsatisfactory finish results.

**WEATHERED WOOD:** Wood with no finish that is simply weathered should be cleaned with X-180 Weathered Wood Restorer™ and a stiff bristle brush, or power washed (with low pressure) to remove the surface layer of all loose wood fibers, dirt, mildew, chalky residue, tannin bleed, nail and metal stains and other foreign matter.

**NEW WOOD:** For exotic hardwoods (Ipe, Ironwood, Brazilian hardwoods) allow 6-12 months of natural weathering before application. For other wood, remove mill glaze/shiny lumber, tannic acid bleed, rust stains from fasteners, weathered grey and dirty wood with X-180 Weathered Wood Restorer™.

**MILDEW:** Remove mildew on the surface prior to staining with X-180 Weathered Wood Restorer™ (see surface preparation). Mildew is not caused by the stain, nor does it indicate stain failure.

**EXTRACTIVE BLEEDING:** Extractive bleeding is not caused by the stain, nor is it a stain failure. Use X-180 Weathered Wood Restorer™ to remove discoloration caused by extractive bleeding. Follow directions on label. **DIRECTIONS FOR USE:** A test area should be performed before beginning overall project to determine the amount of X-100 Natural Seal® Waterborne Deck Stain the wood will absorb and dry time to achieve the desired look. Fully protect all adjacent surfaces, as well as the general work area. When spraying near vegetation, cover plant life with cardboard or other suitable material in case of overspray.

**APPLICATION (DAMP WOOD):** 1. Mix X-100 Natural Seal® Waterborne Deck Stain well before using and stir occasionally during use. 2. Apply with a brush, roller or paint sprayer. Work vigorously into all surfaces. If using a paint sprayer or roller always back brush immediately to prevent lap marks. 3. Apply X-100 Natural Seal® Waterborne Deck Stain along the entire length of one board at a time, keeping a wet edge to prevent lap marks. 4. If needed, apply a second coat for uniformity.

**APPLICATION (DRY WOOD):** 1. Do not apply to wood that is hot to the touch or that is in direct sunlight. If wood is too hot, consider damp wood application. 2. Mix X-100 Natural Seal® Waterborne Deck Stain well before using and during use. 3. Apply with a brush, roller or paint sprayer. Work vigorously into all surfaces. If using a paint sprayer or roller always back brush immediately to prevent lap marks. 4. Apply X-100 Natural Seal® Waterborne Deck Stain along the entire length of one board at a time, keeping a wet edge to prevent lap marks. 5. If needed, apply a second coat for uniformity.

**CAUTION:** Use extreme caution while walking on a horizontal surface during application. Horizontal surfaces can become slippery during and after product application.

**DRY TIME:** Allow at least 12 hours to dry. Horizontal surfaces may have different dry times due to wood porosity. Always check surfaces prior to usage, especially on decking.

**HELPFUL HINTS:** For further protection, apply X-100 Natural Seal® Waterborne Deck Stain on all sides of the wood.

**CLEAN UP:** Soap and water.

**MAINTENANCE:** This product will not protect your deck from getting dirty. Regular maintenance cleaning using ABR® Deck & Siding Wash is required to keep up the appearance of your deck. Deck surfaces are worn by ordinary abrasive foot traffic as well as atmospheric pollutants and dirt. Rainwater alone does not wash such deposits away. After a consistent rainfall, squeegee horizontal surfaces, (**NOTE:** On stubborn dirt areas simply wash with a mild solution of dish detergent and water with light brushing action). Rinse deck with water. Removal of dirt will require washing in the spring and fall using X-180 Weathered Wood Restorer™. After washing, the wood is conditionally protected but the horizontal surface may require retreatment on an annual basis with a thin maintenance coat of X-100 Natural Seal® Waterborne Deck Stain.

**AVAILABILITY:** Available through distributors and dealers across the United States and Canada.

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**LIMITED WARRANTY:** This warranty is valid for one year from the date of product purchase. Purchaser's claims recovery is limited solely to the following warranty from ABRP, Inc., if the product herein is shown to be defective: ABRP, Inc., at its option, will either replace the product or refund the purchase price. Contact ABRP, Inc., to make claim under this warranty. The purchaser must have proof of purchase from the label and the original sales receipt. Proper surface preparation is essential to the product's performance and is a necessary prerequisite for triggering ABRP, Inc.'s obligation under this warranty. Read and follow label directions and observe all safety precautions in the use of this product. ABRP, Inc., further disclaims, and shall not be liable for, incidental, consequential or indirect damage and/or personal injuries including death arising from the use of this product or the cost of labor involved in its application or any reapplication of product that is replaced. **SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE USE OF THIS PRODUCT OTHER THAN INDICATED ON THE LABEL. BUYER ASSUMES ALL RISK OF USE AND/OR HANDLING OF THIS MATERIAL WHEN SUCH USE AND/OR HANDLING IS CONTRARY TO LABEL INSTRUCTIONS. NO OTHER WARRANTIES ARE MADE, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ALL EVENTS, ABRP, INC.'S LIABILITY SHALL BE LIMITED SOLELY TO REPLACEMENT OF THE PRODUCT PROVIDED ABOVE.** This limited warranty may not be modified or extended by manufacturer's representatives, distributors or dealers of ABRP, Inc., products. This warranty gives the purchaser specific legal rights, as well as rights which may vary from state to state. ABRP, Inc. specifically disclaims any and all other obligations or liability to any party relative to the sale, use or application of its products.

**TECHNICAL SERVICES:** ABRP, Inc., employs in-field technical representatives to answer questions for architects, building owners and contractors.

**REFERENCING:** Catalog, product specifications, brochures, list of national registered historical landmarks restored with ABRP, Inc., products and video training tapes demonstrating a variety of cleaning and restoration projects being performed with ABRP, Inc. products are available upon request. For more information on many of the specialty building restoration products available to you, please see our website at [www.abrp.com](http://www.abrp.com) or e-mail ABRP, Inc. at [abrp@abrp.com](mailto:abrp@abrp.com).

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# Product Specifications

**Product Name:** X-100 Natural Seal® Roof Grade

**Manufacturer:** American Building Restoration Products, Inc.

**PRODUCT DESCRIPTION:** X-100 Natural Seal® Roof Grade is an oil based, penetrating water repellent for application to split or sawn cedar shake shingles. X-100 Natural Seal® Roof Grade is designed to penetrate the wood, protecting against cracking, splitting, cupping, curling, sap stain, mold and mildew and against the environmental forces of wind, rain, snow, ice and sun. X-100 Natural Seal® Roof Grade is V.O.C. compliant and is available in transparent and semitransparent stains.

**COVERAGE:** 75-150 sq. ft. per gallon, depending on porosity of surface.

**VOC CONTENT LIMIT:** Less than 250 grams per liter VOC

**PACKAGING:** Five and fifty-five gallon containers.

**INSTALLATION:** Read label instructions and specification sheet carefully. Stain color will vary depending upon the color and porosity of the wood surface. Before proceeding always stain a test area to ensure desired appearance, penetration and proper drying time.

**SURFACE PREPARATION:** Proper surface preparation is vital. Product performance and durability are directly affected and will be impaired by unsound or poorly prepared surfaces. It is crucial that the surface be clean of all dirt, mildew, tannin stains, loose wood fibers and other foreign matter. Surfaces must be absolutely dry and in good condition.

#### PROPER SURFACE PREPARATION

**EXISTING COATING:** Strip the existing finish with Super Bio Strip™ or other, appropriate ABRP, Inc. coatings remover. Finish the removal process by cleaning the wood with X-180 Weathered Wood Restorer™. **NOTE:** Before beginning removal process test to determine removal product suitability, dwell time and dilution ratio if applicable. Failure to remove the existing coating will cause unsatisfactory finish results. Removal of the existing coating by methods other than what is specified may produce unsatisfactory finish results.

**WEATHERED WOOD:** Wood with no finish that is simply weathered should be cleaned with X-180 Weathered Wood Restorer™ and a stiff bristle brush, or power washed (with low pressure) to remove the surface layer of all loose wood fibers, dirt, mildew, chalky residue, tannin bleed, nail and metal stains and other foreign matter.

**NEW WOOD:** Surface must be dry with moisture below 15%. Remove mill glaze/shiny lumber, tannin acid bleed, rust stains from fasteners, weathered grey and dirty wood with X-180 Weathered Wood Restorer™.

**MILDEW:** Remove mildew on the surface prior to staining with X-180 Weathered Wood Restorer™ (see surface preparation). Mildew is not caused by the stain, nor does it indicate stain failure.

**EXTRACTIVE BLEEDING:** Extractive bleeding is not caused by the stain, nor is it a stain failure. Use X-180 Weathered Wood Restorer™ to remove discoloration caused by extractive bleeding. Follow directions on label.

**DIRECTIONS FOR USE:** A test area should be performed before beginning overall project to determine the amount of X-100 Natural Seal® Roof Grade the wood will absorb and dry time to achieve the desired look. Fully protect all adjacent surfaces, as well as the general work area. When spraying near vegetation, cover plant life with cardboard or other suitable material in case of overspray.

**RESTRICTIONS:** Do not apply when air or surface temperature is below 50°F. Do not apply over wet or damp surfaces or when rain is imminent. Do not apply over previously painted or sealed surfaces, metal, masonry or to fresh stucco. Do not thin this product. Not intended for interior use. For exterior use only.

**APPLICATION:** 1. Mix X-100 Natural Seal® Roof Grade well before using. Apply with a brush or low pressure sprayer. 2. Apply as much X-100 Natural Seal® Roof Grade as the wood will absorb. 3. To avoid runs and streaking, back brush product into all surfaces before drying. Work vigorously into all surfaces.

**DRY TIME:** Allow at least 24 hours to dry.

**HELPFUL HINTS:** For further protection, apply X-100 Natural Seal® Roof Grade on all sides of the wood.

**CLEAN UP:** Use mineral spirits or dish detergent and water. If X-100 Natural Seal® Roof Grade should get on surfaces such as glass, paint, metal, caulking or rubber, remove immediately with dish detergent. If a spill is dry, clean with mineral spirits.

**AVAILABILITY:** Available through distributors and dealers across the United States and Canada.

**NOTICE:** The information and recommendations made herein are based on ABRP, Inc., research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because ABRP, Inc., cannot anticipate every possible application of ABRP, Inc., products, nor anticipate every variation encountered in project surfaces, job conditions, and methods used. For this reason, purchasers shall make their own tests to determine the suitability of such products for a particular purpose. Purchasers assume all risk of use, application and handling of products. Statements concerning the possible use of ABRP, Inc., products are not intended as recommendation to use ABRP, Inc., products in the infringement of any patent.

**LIMITED WARRANTY:** This warranty is valid for one year from the date of product purchase. Purchaser's claims recovery is limited solely to the following warranty from ABRP, Inc., if the product herein is shown to be defective: ABRP, Inc., at its option, will either replace the product or refund the purchase price. Contact ABRP, Inc., to make claim under this warranty. The purchaser must have proof of purchase from the label and the original sales receipt. Proper surface preparation is essential to the product's performance and is a necessary prerequisite for triggering ABRP, Inc.'s obligation under this warranty. Read and follow label directions and observe all safety precautions in the use of this product. ABRP, Inc., further disclaims, and shall not be liable for, incidental, consequential or indirect damage and/or personal injuries including death arising from the use of this product or the cost of labor involved in its application or any reapplication of product that is replaced. **SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE USE OF THIS PRODUCT OTHER THAN INDICATED ON THE LABEL. BUYER ASSUMES ALL RISK OF USE AND/OR HANDLING OF THIS MATERIAL WHEN SUCH USE AND/OR HANDLING IS CONTRARY TO LABEL INSTRUCTIONS. NO OTHER WARRANTIES ARE MADE, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN ALL EVENTS, ABRP, INC.'S LIABILITY SHALL BE LIMITED SOLELY TO REPLACEMENT OF THE PRODUCT PROVIDED ABOVE.** This limited warranty may not be modified or extended by manufacturer's representatives, distributors or dealers of ABRP, Inc., products. This warranty gives the purchaser specific legal rights, as well as rights which may vary from state to state. ABRP, Inc. specifically disclaims any and all other obligations or liability to any party relative to the sale, use or application of its products.

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# Product Specifications



**Product Name:** X-100 Natural Seal® Semi-Solid Stain  
**Manufacturer:** American Building Restoration Products, Inc.

**PRODUCT DESCRIPTION:** X-100 Natural Seal® Semi-Solid Stain is a semi-solid oil based stain for use on vertical wood surfaces, providing years of color stability and excellent wood protection. It consists of essential wood stabilizing ingredients with deep penetrating micro pigments that produce more hiding film integrity than semi transparent stains. X-100 Natural Seal® Semi-Solid Stain exhibits outstanding water repellency and won't crack, peel or blister when properly applied. Use X-100 Natural Seal® Semi-Solid Stain on smooth and rough exterior vertical wood, including siding, trim, railings and fences. X-100 Natural Seal® Semi-Solid Stain provide excellent results on weathered wood and well-seasoned lumber such as cedar, fir, pine, cypress, spruce, redwood and plywood, including T1-11.

**COVERAGE:** On smooth and/or non-porous surfaces, 400-600 sq ft per gallon. On rough and/or porous surfaces, 150-250 sq ft per gallon.

**PACKAGING:** One, five and fifty-five gallon containers.

**DIRECTIONS FOR USE:** Read label instructions and/or specification sheet carefully. Stain color will vary depending upon the color and porosity of the wood surface. Before proceeding always stain a test area to ensure desired appearance, penetration and proper drying time.

**SURFACE PREPARATION:** Proper surface preparation is vital. Product performance and durability are directly affected and will be impaired by unsound or poorly prepared surfaces. It is crucial that the surface be clean of all dirt, mildew, tannin stains, loose wood fibers and other foreign matter. Surfaces must be absolutely dry and in good condition.

**EXISTING COATING:** Strip the existing finish with Super Bio Strip™ or other, appropriate ABRP, Inc. coatings remover.

**WEATHERED WOOD:** Wood with no finish that is simply weathered should be cleaned with X-180 Weathered Wood Restorer™ and a stiff bristle brush, or power washed (with low pressure) to remove the surface layer of all loose wood fibers, dirt, mildew, chalky residue, tannin bleed, nail and metal stains and other foreign matter.

**NEW WOOD:** New, smooth wood that is unseasoned

or appears shiny may be covered with MILL GLAZE. Remove Mill Glaze with X-180 Weathered Wood Restorer™.

**CAUTION:** Bleach or bleach related solutions used to clean the wood may damage the outer wood fiber. Do not use bleach on the surface prior to applying X-100 Natural Seal® Semi-Solid Stain.

**MILDEW:** Remove mildew on the surface prior to staining with X-180 Weathered Wood Restorer™. (see surface preparation). Mildew is not caused by the stain, nor does it indicate stain failure.

**EXTRACTIVE BLEEDING:** Extractive bleeding is not caused by the stain, nor is it a stain failure. Use X-180 Weathered Wood Restorer™ to remove discoloration caused by extractive bleeding. Follow directions on label.

**APPLICATION:** Mix thoroughly before and occasionally while using. Apply evenly with a brush or spray. Best results can be obtained by using a high-quality, natural bristle brush. If you must spray, always back brush immediately after each section is coated to ensure proper penetration. Apply stain to small sections at a time. To avoid lap marks, start at one edge and follow through to the end of the boards. Two coats are recommended on new wood for maximum durability. Always test application methods on an inconspicuous area prior to applying a second coat.

**DRY TIME:** Allow at least 24-48 hours of drying time before applying a second coat.

**RESTRICTIONS:** Do not apply when air or surface temperature is below 50°F. Do not apply over wet or damp surfaces or when rain is imminent. Do not apply over previously painted or sealed surfaces, metal, masonry or to fresh stucco. Do not use on horizontal walking surfaces. Do not thin this product. Not intended for interior use. For exterior use only.

**CLEANUP AND DISPOSAL:** Use mineral spirits to clean brushes and equipment. If X-100 Natural Seal® Semi-Solid Stain should get on surfaces such as glass, paint, metal, caulking or rubber, remove immediately with mineral spirits.

**AVAILABILITY:** Available through a network of distributors and dealers established in cities across the United States and Canada.

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# Product Specifications

**Product Name: X-100 Natural Seal® Interior Finish**

**Manufacturer: American Building Restoration Products, Inc.**

**PRODUCT DESCRIPTION:** X-100 Natural Seal® Interior Finish formula is an oil based water repellent consisting of essential wood protecting ingredients. X-100 Natural Seal® Interior Finish is designed to penetrate the wood, protecting against cracking, splitting, cupping, curling, sap stain, mold and mildew. X-100 Natural Seal® Interior Finish is for use on all wood surfaces susceptible to moisture and UV damage including cedar, redwood, pine, plywood, T1-11, cypress, fur, dimensional lumber, siding, decking, logs and roofs. X-100 Natural Seal® Interior Finish is available in transparent and semi-transparent stains. This transparent technology enables the natural wood grain to show through allowing for a natural wood finish.

**PRECAUTIONS:** Read the entire material safety data sheet and product label for a more thorough evaluation of hazards. Fully protect all adjacent surfaces, as well as, general work area.

**COVERAGE:** Sidewalls-smooth or rough sawn lumber including logs, first coat 100 sq. ft. per gallon. Second coat 200 sq. ft. per gallon.

**DRY TIME:** Allow at least 24 hours to dry.

**VOC CONTENT LIMIT:** 250 g/L GENERAL

**PRECAUTIONS AND RESTRICTIONS:** Do not apply this product in a way that will contact workers or other persons.

**PACKAGING:** One, five and fifty-five gallon containers.

**PROPER SURFACE PREPARATION:** To achieve the maximum effectiveness of this product the surface must be cleaned of dirt, mildew, loose wood fibers, chalky residue, foreign matter and must be dry. NEW WOOD Surface must be dry.

**EXISTING COATING:** Strip the existing finish (other than X-100 finishes) with Super Bio Strip™ or other, appropriate ABRP, Inc. coatings remover.

**NOTE:** Before beginning removal process test to determine removal product suitability, dwell time and dilution ratio if applicable. Clean with X-180 Weathered Wood Restorer™ if specified or required to produce consistent surface color. Failure to remove the existing coating will cause unsatisfactory finish results. Removal of the existing coating by methods other than what is specified may produce unsatisfactory finish results.

**DIRECTIONS FOR USE:** Mix X-100 Natural Seal® Interior Finish well before using. A test area should be performed before beginning overall project to determine the amount of X-100 Natural Seal® Interior Finish the wood will absorb, dry time,

wood porosity and total desired look. Fully protect all adjacent surfaces, as well as, general work area.

**FOR BEST RESULTS AND OPTIMAL PENETRATION:** APPLY TO DRY WOOD. BOTH SURFACE AND AIR TEMPERATURE MUST BE ABOVE 50°F.

**FOR LUMBER THAT IS NOT DRIED OR SEASONED:** X-100 Natural Seal® Interior Finish is formulated to protect damp wood. However, the duration of protection will be in direct relationship to how much X-100 Natural Seal® Interior Finish the wood has absorbed. That is, the greater the dampness of the wood the less amount of absorption.

**APPLICATION:** 1. Apply X-100 Natural Seal® Interior Finish with a brush. Work vigorously into all surfaces. 2. Apply as much X-100 Natural Seal® Interior Finish as the wood will absorb. **NOTE:** If after a 12 hour period the surface remains oily, over application has occurred. Use ABR® Deck and Siding Wash to remove the excess finish. Failure to do so in a timely manner will result in unsatisfactory performance of the finish. 3. To avoid runs and streaking, back brush product from surfaces before drying. Rough sawn wood will generally absorb more product evenly; however, it will still require back brushing. 4. Keep a wet edge to avoid lap marks. 5. If the wood can absorb more X-100 Natural Seal® Interior Finish and extra protection or more depth of color is desired, apply an additional coat of X-100 Natural Seal® Interior Finish at a later date.

**HELPFUL HINTS:** When a natural cedar color is desired and to ensure further color fastness use X-100 Natural Seal® Cedar Tone Gold. For further protection, apply X-100 Natural Seal® on all sides of the wood. If the application has to be interrupted, stop at a corner as opposed to the middle of the wall. If questions still need to be addressed prior to application, call for technical assistance at 1-800-346-7532 or email your question to [abrp@abrp.com](mailto:abrp@abrp.com).

**STORAGE AND DISPOSAL:** Do not contaminate water, food or feed by storage or disposal.

**CLEAN UP:** Use mineral spirits or dish detergent and water. If X-100 Natural Seal® should get on surfaces such as glass, paint, metal, caulking or rubber, remove immediately with dish detergent. If a spill is dry, clean with mineral spirits. USE ONLY WITH ADEQUATE VENTILATION.

**AVAILABILITY:** Available through a network of distributors, dealers and representatives established in principal cities across the United States, Canada and Japan.

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