Envirolak



Designed by professionals, for professionals.

Envirolak produces and delivers the highest quality water based products available in the market. Designed to outperform conventional solvent based products with sustainable and user-friendly alternatives, our stains, primers, pigmented and clear topcoats are the eco-friendly solutions you need.



TOP COATS

100 Envirothane Warm Clear Self-Seal Topcoat













AVAILABLE SHEENS

ELIOOXX series is a warm clear urethane topcoat which is also tintable for dark colours. It provides a lasting, durable finish for wooden surfaces that meets or exceeds KCMA standards as a 1k product. The product can also be catalyzed with CATI00-LV hardener or crosslinked with CATI50 crosslinker to improve chemical, scratch, mar resistance and vertical flow. This product combines outstanding toughness and stain resistance with the wood warmth and hand-feel of traditional solvent-based coatings, all in a low VOC water-based finish.

This product is designed for interior wood finishing applications such as tables, cabinetry, furniture, flooring, and millwork.

125 Envirothane Low-Slip Clear Self-Seal Topcoat





AVAILABLE SHEENS

EL125XX series is a warm clear urethane topcoat that provides a low-slip, durable finish for wood floors and stairs. This product offers outstanding durability and stain resistance with the wood warmth of traditional solvent-based coatings, all in a low VOC water based finish that can readily be applied in the shop or on-site. The product can also be catalyzed with CATI00-LV hardener or crosslinked with CATI50 crosslinker to improve chemical, scratch, mar resistance and vertical flow.

This product is specially designed for interior wood flooring and stairs. It can be sprayed, brushed, or rolled on and is easy to touch up.

200 Envirothane White Topcoat



AVAILABLE SHEENS

ELNYW200XX series is a white urethane topcoat that looks and feels like conventional varnish but offers greater flexibility without harmful solvents. This product can be tinted to any off white or pastel colour, the coating is high build and suitable for tough environments like kitchens and baths when used as a 1K product and can also be catalyzed with CATI00-LV hardener to improve adhesion, vertical flow, chemical and mar resistance or crosslinked with CATI50 crosslinker to improve vertical flow, chemical and mar resistance. This product also has excellent levelling and anti-sag properties for vertical applications.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture, and millwork.

300 Envirothane Crystal Clear Topcoat



AVAILABLE SHEENS

ELNYC300XX series is a water-white clear urethane topcoat that is easy to apply, ultra-clear and intended for use over white basecoats in a glazed system or in clear systems where maximum clarity is desired over light or dark stains. The finished product offers an incredibly smooth and durable finish that is resistant to staining and marking. ELNYC300XX meets or exceeds KCMA standards when used 1K and can also be catalyzed with CATI00-LV hardener to improve adhesion, vertical flow, chemical and mar resistance or crosslinked with CATI50 crosslinker to improve vertical flow, chemical and mar resistance.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture, and millwork.

Be part of the future of wood coatings

400 Envirocryl White Topcoat



ELACW400XX series is a white acrylic urethane topcoat that is easy to spray at low pressures, is fast drying and offers good feel and early block resistance in an economical package. This product can be tinted to any off white or pastel colour, has high build and is suitable for tough environments like kitchens and baths when used as a 1K product and can also be catalyzed with CATI00-LV hardener (4-6hr pot life) to improve adhesion, vertical flow, chemical and mar resistance or crosslinked with CATI50 crosslinker to improve vertical flow, chemical and mar resistance. This product also has excellent levelling and anti- sag properties for vertical applications. **400 series can be applied over T9000 primer when used as a 1K in 1-2 hours in simple air dry conditions.**

This product is designed for interior wood finishing applications such as cabinetry, furniture and millwork.

500 Envirocryl Crystal Clear Topcoat



ELAC500XX series is a water white clear acrylic urethane topcoat that is easy to spray at low pressures, is fast drying and offers excellent clarity, waxy feel and early block resistance in an economical package. This coating is suitable for tough environments like kitchens and baths when used as a 1K product and can also be catalyzed with CATI00-LV hardener (4-6hr pot life) to improve adhesion, vertical flow, chemical and mar resistance or crosslinked with CATI50 crosslinker to improve vertical flow, chemical and mar resistance.. This product is not intended to be tinted.

This product is designed as a clearcoat for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

550 Envirocryl Clear No-Sag Chair Topcoat



ELAC550XX series is a clear acrylic topcoat for use in vertical spray applications. Used as supplied, this product can be applied at much higher coat weights than conventional finishes (8 wet mils) using high fluid pressures. The product provides good clarity, chemical and scratch resistance as well as fast dry times that are suitable for high volume production environments. ELAC550XX meets or exceeds KCMA standards.

This product is designed for interior wood finishing applications and is especially suited for chairs sprayed on a hanging line or conveyor where furniture is sprayed assembled and complex shapes cause lower viscosity products to sag or run.

800 Envirothane White Topcoat



ELNYW800XX Series is a white acrylic urethane hybrid topcoat that looks and feels outstanding and offers excellent stain resistance and anti-burnishing properties. It is easy to spray at low pressures and dries fast with exceptional coverage and high build. The 800 series meets KCMA standards and is suitable for tough environments like kitchens and bathrooms. It offers excellent levelling and anti-sag properties for vertical applications, excellent adhesion to most substrates and can be applied over our PRT9000 primer in 1-2 hours in simple air-dry conditions. This product is not recommended for use with isocyanate hardeners but can be crosslinked with CATI50 Crosslinker at 3% for improved chemical and mar resistance. When using CATI50 there will be an increase in viscosity overnight, but the product remains easy to spray; mix 1:1 with fresh (uncatalyzed) material and add an additional 3% CATI50 to return product to its original viscosity.

This product is designed for interior wood finishing applications such as cabinetry, furniture and millwork. This product is designed for interior wood finishing applications such as cabinetry, furniture and

BASE COATS

Envirolak

BASE COATS

300 Envirothane Crystal Clear Sealer

ELSEAL300 sealer is a urethane clear sealer for use under Envirolak topcoats. The product provides good clarity and build and has good adhesion properties when used 1K. The product can be catalyzed with CATI00-LV hardener for improved adhesion and chemical resistance which makes for a good toner over old solvent-based finishes. Used in conjunction with Envirolak water-based topcoats will meet KCMA standards.

This product is designed for interior wood finishing applications such as cabinetry, tables, bar tops, furniture and millwork.

500 Envirocryl Crystal Clear Sealer

ELSEAL500 sealer is an acrylic urethane high build water white clear sealer for use under Envirolak topcoats. The product provides excellent clarity and is easy to sand after 1 hour. It can be used 1K or can be catalyzed with CATI00-LV hardener (4-6hr pot life) for improved adhesion and chemical resistance making it suitable for use as a toner over old solvent-based finishes. Used in conjunction with Envirolak water-based topcoats will meet KCMA standards.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

550 Envirocryl Clear No-Sag Chair Sealer

ELSEAL550 No-Sag Clear Sealer is a fast-drying acrylic sealer for use in vertical spray applications. Used as supplied, this sealer can be applied at much higher coat weights than conventional finishes (8 wet mils) using high fluid pressures. 550 sealer provides good clarity and sanding. Used in conjunction with Envirolak 550XX topcoats will meet KCMA standards.

This product is designed for interior wood finishing applications and is especially suited for chairs sprayed on a hanging line or conveyor where furniture is sprayed assembled and complex shapes cause lower viscosity products to sag or run

PRIMERS



160-TB Envirocryl Tannin Blocking White Primer

ELPR160-TB is a universal primer with tannin blocking properties that provides an excellent foundation for any solid colour systems on solid wood, veneer, MDF or for refinishing as a 1K product. It offers fast dry times and is easy to sand with light pressure. ELPR160-TB can also be applied over T9000 that has dried for 1-2 hours. It has excellent leveling and anti-sag for vertical applications and very easy to spray brush or roll. It can also be used as a 2K product by adding 5% CATIOOLV Hardener (4-6hr pot life). After priming, PR160-TB is suitable to be top coated with Envirolak's 200, 400 or 800 series and many other topcoats. Do not use 100 series over PR160-TB.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

170 Envirothane White Primer High Solids

ELPR170 is a universal urethane primer that provides an excellent foundation for any solid colour systems on MDF as either a 1K or 2K product. When using PR170 on veneer, solid wood or in a refinish situation it is necessary to use the product as a 2K system by adding CAT100-LV Hardener to improve adhesion and prevent cracking or checking of veneers and soft woods. This 70% solids high-hide primer lays down very flat and provides unsurpassed filling properties especially for MDF, where it does not swell the fibers like other water based products in the market. It offers fast dry times and is easy to sand without being easy to sand through.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

170-TB Envirothane Tannin Blocking White Primer

ELPR170-TB is a universal urethane primer that provides an excellent foundation for any solid colour systems on MDF as either a 1K or 2K product. When using PR170-TB on veneer, solid wood or in a refinish situation it is necessary to use the product as a 2K system by adding CAT100-LV Hardener to improve adhesion and prevent cracking or checking of veneers and soft woods. This 70% solids high-hide primer lays down very flat and provides unsurpassed filling properties especially for MDF, where it does not swell the fibers like other water based products in the market. It offers fast dry times and is easy to sand without being easy to sand through. ELPR170-TB offers all the same properties as our ELPR170 with the addition of a tannin blocking additive.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

180 Envirothane Neutral Primer High Solids

ELPR180 is the neutral version of our high performance PR170 white primer that provides an excellent foundation for any dark solid colour systems on MDF as either a 1K or 2K product. This product is designed to be tinted to any dark colour including black. It has 66% solids with good hiding when tinted and offers outstanding fill characteristics in an easy to sand, VOC friendly water-based primer. When using PR180 on veneer, solid wood or in a refinish situation it is necessary to use the product as a 2K system by adding ELCAT100-LV Hardener to improve adhesion and prevent cracking or checking in veneers and softwoods.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

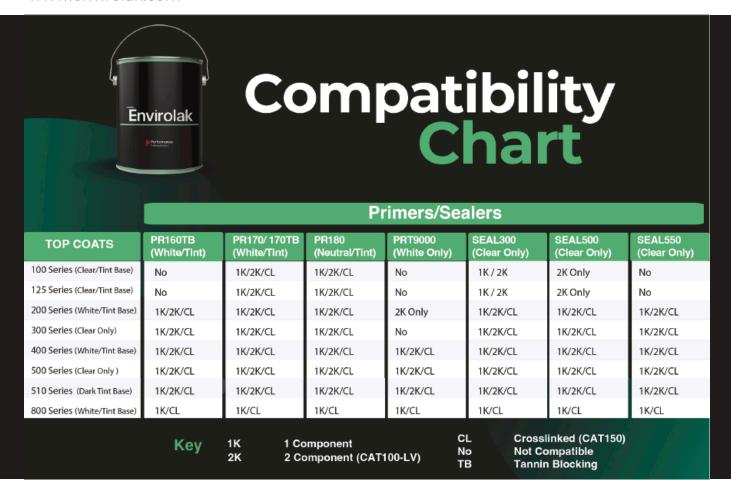
250 Envirothane White 2K Primer

ELPR250 is a specially designed non yellowing two-component primer for all interior wood and most plastic substrates. The 2K isocyanate chemistry (1hr pot life) imparts industry leading adhesion, chemical and water resistance for high performance finishing. Once cured and sanded this primer will be ready to finish with a wide variety of 2K or 1K topcoats. Allow 16 hours of cure time If dye or tannin bleed is visible, a 2nd coat cured for 16 hours may be necessary for stubborn bleed issues.

This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork.

T9000 Envirocryl Stain Blocking & Bonding White Primer

ELPRT9000 is specially designed 1K primer designed for refinishing and new construction. PRT9000 offers industry leading stain, dye and tannin blocking in an easy to use, one-component water-based primer. ELPRT9000 has excellent adhesion to a variety of existing coatings (solvent or water based) as well as veneers, solid wood, MDF, concrete and stone.



WOOD STAINS & GLAZES



BWS Envirostain Binder for Wiping Stain

ELBWS is a specially formulated water based wiping stain binder that provides deep, rich colours for a variety of wood substrates. The stain can be sprayed or wiped on and has excellent "dwell time" to minimize lap lines. ELBWS offers minimum grain raising with maximum beauty and ease of use. This binder is typically combined with water and other Envirostain binders to create specific looks.

BSS Envirostain Binder for Spray Stain/Pore Marking

ELBSS can be used on its own with water to create a spray stain that provides a solvent spray stain look with high pore marking. It is also used typically in combination with ELBWS to create contrast and enhance grain colouring in wiping stains.

BDS Envirostain Binder for Dip Stain

ELBDS is a water based dipping stain binder used in combination with water to make dipping stains that provide even tones in an easy to apply format over a variety of wood substrates. ELBDS offers minimum grain raising in a VOC friendly environment. This stain is well suited to fast paced production environments where complex shapes are being finished

BDG Envirostain Binder for Dry Glaze

ELBDG is the primary binder for making dry and wet glazes, it can also be added to wiping stains to decrease pore marking and increase uniformity.

BRC Envirostain Binder for Glaze Adhesion/Roll Coat

ELBRC is the sole binder for machine roll coat applications and is added to wet and dry glazes in small quantities to improve adhesion.

SSB100 Envirostain Base Spray Stain

ELSSB100 is a water based spray stain that provides even tones in an easy to apply format over a variety of wood substrates. ELSSB100 offers minimum grain raising in a VOC friendly environment. This spray stain is well suited to fast paced production environments where colour reproducibility is key.

SWB104 Envirostain Base Wiping Stain

ELSWB104 is a specially formulated water based wiping stain that provides deep, rich colours for a variety of wood substrates. The stain can be sprayed or wiped on and has excellent "dwell time" to minimize lap lines. ELSWB104 offers minimum grain raising with maximum beauty and ease of use.

DGB100 Envirostain Base Dry Glaze Neutral

ELDGB100 is a water based dry glaze used for cerused wood finishes, highlighting profiles, deep grain or distress marks in a finish system. A wide variety of 'looks' are achievable depending on how this product is used. Dry glaze may also be referred to as "breakaway glaze" or "pickling dust" or "patina".

ES301 Envirostain Uniforming White Wiping Stain

ES325 Envirostain Uniforming Antique Walnut Wiping Stain

ES375 Envirostain Uniforming Walnut Wiping Stain

Uniforming stains are designed to minimize flipping, contrast and blotching and the differences of colour penetration in different types of wood, they provide very even colour even when you are staining soft and hardwood and desire a similar colour regardless of different undertones in the wood itself. ES301, ES325, ES375, water and Envirostain MicroTints can be combined to create thousands of colours in the uniforming stain technology.



PIGMENTS & DYES

8960001 Colourant Titanium White Chroma-Chem WB
8960401 Colourant Quinacridone Red Chroma-Chem WB
8960901 Colourant Lead Free Orange Chroma-Chem WB
8961001 Colourant Red Iron Oxide Chroma-Chem WB
8961301 Colourant Burnt Umber Chroma-Chem WB
8961801 Colourant Yellow Iron Oxide Chroma-Chem WB
8962555 Colourant Medium Yellow Chroma-Chem WB
8962601 Colourant Organic Yellow G.S. Chroma-Chem WB
8965501 Colourant Phthalo Green Chroma-Chem WB
8967201 Colourant Phthalo Blue Chroma-Chem WB
8969401 Colourant Quinacridone Violet Chroma-Chem WB

The **896 series** of pigments is our high-performance water based colourants for creating solid colours and can also be used in stains. We suggest a maximum tint load of 6% in our white bases and min 5% max 10% in our clear bases for dark colours.

High tint loads will reduce viscosity of our base materials and may require the addition of ELADD001 thickener to restore viscosity. This line is used in volumetric and gravimetric dispersers. Tint strength, colour difference, and viscosity are controlled to ensure optimal performance in most dispensers. Because the quality of the colourants is tightly controlled, they can also be used for in-plant tinting applications.

They have minimal impact on gloss, dry time, water resistance, hardness, corrosion, foaming or other coating properties.

PIGMENTS & DYES

ELTINT01 Envirostain MicroTint 01 White
ELTINT03 Envirostain MicroTint 03 Yellow
ELTINT04 Envirostain MicroTint 04 Blue
ELTINT06 Envirostain MicroTint 06 Black
ELTINT08 Envirostain MicroTint 08 Red

The ELTINT Series are concentrated solutions of micronized pigments suitable for the preparation of water-based stains and glazes (patinas) for wood finishing. ELTINT products are only soluble in water and suitable water-based binding agents. They contain binders with a wide range of compatibility suitable for inclusion in a variety of water-based stains. They can be mixed together in all proportions; you can obtain high concentration stains with high vibrance and uniformity. The ELTINTs are compatible with water-based or universal dyes to obtain an even wider range of shades and colour effects. ELTINTs are not meant to be used on their own. They must be diluted and/or mixed with binders and water before their use, depending on their application and the desired effect.

ELDYE03 Envirostain Universal Dye 03 Yellow
ELDYE04 Envirostain Universal Dye 04 Blue
ELDYE05 Envirostain Universal Dye 05 Brown
ELDYE06 Envirostain Universal Dye 06 Black
ELDYE07 Envirostain Universal Dye 07 Bordeaux
ELDYE08 Envirostain Universal Dye 08 Red

Very little matches the vibrance of a dye stain. Dyes penetrate and colour the wood fibres giving 'life' to the colour that is different than a pigment based stain. Many of our original stain colours are based entirely on dyes for this reason. The Envirostain system of ELTINT, ES3XX and EL Binders is further enhanced by compatibility with universal dyes, the ELDYE series. Recommended usage levels vary, but generally should remain below 3-5% by weight of the final formula. These universal dyes are glycol based and have industry leading light-fastness for dyes. They are suitable for use in all Envirolak water based stains and alcohol or acetone solvent stain bases.

EnviroStain KIT by Envirolak



KIT CONTENTS

3 gallons

BWS Envirostain Binder for Wiping Stain

1 Quar

ELTINT01 Envirostain MicroTint 01 White

8 oz

ELDYE02 Envirostain Universal Dye 02 Orange

1 gallon

BSS Envirostain Binder for Spray Stain/Pore Marking

1 Quart

ELTINT03 Envirostain MicroTint 03 Yellow

8 oz

ELDYE03 Envirostain Universal Dve 03 Yellow

1 gallon

SB100 Envirostain Base Spray Stain

1 Quart

ELTINT04 Envirostain MicroTint 04 Blue

8 oz

ELDYE04 Envirostain Universal Dye 04 Blue

1 Quart ES301

Envirostain Uniforming White Wiping Stain

1 Quart

ELTINT06 Envirostain MicroTint 06 Black

8 oz

ELDYE05 Envirostain Universal Dye 05 Brown

1 Quart ES325

Envirostain Uniforming Antique Walnut Wiping Stain 1 Quart

ELTINT08 Envirostain MicroTint 08 Red

8 oz

ELDYE06 Envirostain Universal Dye 06 Black

1 Quart ES 375

Envirostain Uniforming Walnut Wiping Stain

8 oz

ELDYE08 Envirostain Universal Dye 08 Red

8 oz

ELDYE07 Envirostain Universal Dye 07 Bordeaux



CATALYSTS & ADDITIVES



CAT100-LV EnviroCat Low Viscosity Hardener

ELCATIOO-LV is an isocyanate based hardener with ultra low monomeric di-icocyanate content for water based finishes to improve hardness, chemical resistance and adhesion. Using this hardener in the 200 series topcoat will increase the gloss of the product 5-10% depending on how much hardener you add. Using Hardener in any waterborne coating gives a pot-life of several hours after which the coating will begin to gel.

This product is designed to be added to existing Envirolak products to enhance the performance of the cured finish. In topcoats, it will improve hardness, mar and scratch resistance as well as chemical resistance. Using it in basecoats will improve adhesion and water resistance as well as preventing veneers and softwood from checking or cracking.



CAT150 EnviroCat Crosslinker

ELCATI50 is a crosslinker for water based finishes to improve hardness, chemical, scratch, mar resistance in all Envirolak top coats. There is a 10-hour effective period once added to topcoats, unused product will not gel and can be re crosslinked and reused at a later date.

In vertical spray applications, the addition of CATI50 Crosslinker will help eliminate orange peel to give a smoother finish.

ADD 001 WB Thickener

ELADD 001 is a low-medium shear thickener designed to be post-added to Envirolak coatings to increase the viscosity. This can be used to improve sag resistance for vertical spray applications. Add to an existing Envirolak finish to increase application viscosity. Also use ELADD 001 in clearcoats that have been tinted to dark colours to maintain the initial viscosity of the product for consistent application.

ADD 002 WB Flow Additive Solution

ELADD002 is a pre-mixed solution of a silicone flow additive that will reduce the surface tension of Envirolak coatings. ELADD002 can be used to improve substrate wetting on difficult surfaces, it will also improve the "leveling" of the finish. It can help eliminate fisheyes that are caused by surface contamination as well. It should have no impact on foam stabilization or intercoat adhesion.

ELADD 003 UV Absorber

ELADD003 is a liquid UV light absorber for Envirolak coatings. UV Absorber should be added when you want to maintain the colour of natural or lightly stained woods underneath a clearcoat. Except for the 100 series, our resin systems are non-yellowing, but the addition of UV Absorber will help protect the underlying wood substrate. Do not use UV absorber in the 100 series, it will impair curing and drying.

ELADD 004 Tannin Blocking Additive

ELADD004 is a tannin blocking additive for Envirolak coatings. Tannin Blocker can be added to ELPR170 (or other Envirolak finishes) to prevent tannin migration and discolouration over tannin rich wood species (southern red oak, mahogany, redwoods, etc.). The additive will chemically "trap" the tannin in the first layer, preventing the stain from bleeding into subsequent layers of coating. For woods with a lot of tannin bleed two coats will be required. For best results allow each coat to dry for several hours before applying the next coat.

ELADD 005 WB Defoamer Solution

ELADD 005 is a solution of foam destroying polymers that can be post-added to Envirolak coatings when trapped air or foam become an issue during application. Defoamer Solution is used to minimize trapped air, microfoam and macrofoam in spray applied waterborne finishes.

ELADD 006 Fisheye Eliminator Solution

ELADD006 is a pre-mixed solution of a silicone flow additive that helps eliminate surface defects such as fisheyes caused by contamination. ELADD006 is used to get rid of fisheyes and craters, especially those caused by contamination in the paint or air supply. This product will improve surface slip and help the "leveling" of the finish.



RX010 WB Reducer

ELRX010 is a reducer designed for use with any Envirolak topcoat or sealer. This product is designed to quickly reduce the viscosity of water based coatings. This reducer will cut viscosity 3x more than water, allowing for higher build and better hiding vs water alone. Adding 5% to PR170 primer in machine spray applications will help minimize orange peel and improve edge coverage.

RX114 WB Retarder

ELRX 114 is a very slow evaporating reducer designed for use with Envirolak's Envirothane products. This product is designed to slow the evaporation of coatings, it can be added to the Envirothane (Urethane) primers and top coats to help minimize mud-cracking or to allow a film to remain open longer to release trapped air generated by the spraying process. The most common application is adding 1% to PRI70 or PRI70TB primer in reciprocating machine spray applications to help minimize tip-clogging and improve edge coverage and flow.

RX110 ENVIROKLEAN ALL-PURPOSE WATER BASED CLEANER

ELRX110 is a powerful and economical water based cleaning solution for industrial coatings. This product is designed for cleaning belts on automated spray units, flushing pumps and fluid lines, as well as spray gun parts, mixing blades, hoses, spray booths, other metal surfaces or anything else that has paint on it. Works very well in ultrasonic cleaning machines, do not leave painted items (guns/parts) submerged for more than 20 minutes or you risk damaging the finish. RX110 mixed 4:1 with water makes an excellent degreaser for cleaning cabinets prior to refinishing.

RX110-C ENVIROKLEAN CONCENTRATE (3:7)

ELRX110-C is a concentrated version of our Enviroklean Water Based Cleaner that is packaged as an easy-to-use concentrate for economical and environmental shipping. This product, once diluted, is RX110 and is designed for cleaning belts on automated spray units, flushing pumps and fluid lines, as well as spray gun parts, mixing blades, hoses, spray booths, other metal surfaces or anything else that has paint on it.

Works very well in ultrasonic cleaning machines, do not leave painted items (guns/parts) submerged for more than 20 minutes or you risk damaging the finish.

RX111 ENVIROKLEAN "NO-DRIP" CLEANER

ELRXIII is a thixotropic version of our EnviroKlean Water Based Cleaner that can be sprayed or applied by brush to flat, vertical, or even the underside of surfaces to assist in the cleaning and removal of built-up paint. This product is designed for cleaning vertical or hard to reach places where the RXIIO can't remain in contact long enough. Like the ELRXIIO EnviroKlean, do not leave painted items (guns/parts) exposed to ELRXIII for more than 20 minutes or you risk damaging the existing finish.

Water Based Wood Coatings

The team behind Envirolak has been in the wood finishing industry collectively for over 100 years.

It's time to rethink water based.

Contact Us:

Questions about a project? We'd love to help.



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