

PRODUCT CODES: ELBRC

NAME: EnviroStain - Binder for Rollcoat/Glaze Adhesion

DESCRIPTION: ELBRC is a binder in our EnviroStain system. All of the EnviroStain Binders are concentrates that are intended to be mixed with water prior to use. This binder is the primary resin for rollcoat applications as well as improving adhesion in glazes. ELBRC has a fast dry time and is added to ELBDG to improve adhesion of glazes or patina finishes. ELBRC is also used in industrial rollcoat applications where it is machine applied and brushed prior to finishing.

USES: This product is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork. The finished stain (Binder + Water + Tints/Dyes) is intended to be rollcoated and brushed off.

SANDING: Substrate should be sanded with 180 grit sandpaper prior to applying any stains. Finer grit sandpaper (240/280) can be used to minimize sanding scratches.

PRODUCT PREPARATION: Start with 40% ELBRC Binder for Glaze Adhesion/Roll coat, add up to 20% ELTINT Micronized Pigment, add water to bring the total mix balance to 100%. In glazes, use ELBRC from 1-10% of the total formulation to improve the adhesion of the glaze. The more ELBRC you add, the more difficult the glaze will be to remove.

RECOMMENDED STARTING FORMULAS:

Product	% by weight
Water	40
ELBRC	40
ELTINT	20*
ELDYE (optional)	0-5*

*if you use less than this %, make up the difference with water

RECOMMENDED APPLICATION: ELBRC is used in rollcoat applications. Best application methods will be determined by the machinery setup and varies based on type of roll used (sponge/soft shore EPDM) and the brushing and drying equipment. Please contact your Enviroolak Technical Sales representative for guidance.

Grams per 1/10 sq. metre: (250x400mm board) 5-20 grams
Number of Coats: 1
Maximum Dry Film Build: NA
Coating Temperature at Application: 18°C (65°F) or higher

PHYSICAL PROPERTIES: (of the ELBRC)	Specific Gravity:	1.04
	Viscosity:	1500-2000cps
	Solids Content:	17.00%
	Pot Life:	NA
	Flash Point:	>100°C
	VOC's:	22 g/L
	VOC's (minus exempt):	40 g/L

DRYING TIMES:

Inline: The drying schedule for inline rollcoat finishing will be determined by the type of equipment used. Contact your technical sales representative.

Air dry: Ready to Seal: 20-30 minutes
(20°C/68°F)

Note: Gentle air movement (recirculator or fan) while parts are drying will reduce dry to sand times by 20-40%

SUITABLE TINTS: ELBRC, once reduced, is designed to be tinted with the ELTINT line of micronized pigments. ELDYE products are also compatible.

TINTING INSTRUCTIONS:

Stain System	Maximum Tint/Dye Load
ELBRC Rollcoat	20% Tint/5% Dye

Note that when using pigments and dyes together in the same colour the storage stability of the colour will be reduced depending on the concentrations used. To ensure colour consistency, pigmented products must be mixed prior to use and should be under low agitation if being used in production for a prolonged period.

GENERAL INFORMATION:

Use stainless steel (304/316) equipment for all water based products. When switching between solvent and water based products in the same spray equipment we suggest the following:

From Solvent to Water: Wash with acetone, then wash with water.

From Water to Solvent: Wash with water, then wash with acetone.

Keep containers closed when not in use and keep from freezing.

These products are designed for industrial use only. Please refer to the Safety Data Sheet prior to use.

SHELF LIFE: 12 months in unopened containers

STORAGE: Store in a tightly closed container at room temperature (18-25°C/64-75°F) and protect from direct sunlight and foreign material. Do not store at temperatures below 5°C/41°F.

Disclaimer: Every reasonable precaution is taken by the manufacturer in the manufacture of our products to ensure that they comply with our standards. The information given herein is correct to the best of our knowledge. Any suggestions made by us covering the use of our products are based on experience and/or tests believed to be reliable. However, because the use of any product of our manufacture is completely beyond our control, including for example, the method and conditions of application, no guarantee or warranty, expressed or implied, is made. Manufacturer's maximum liability shall be to replace such quantity of product determined by our laboratory to be defective. User shall determine the suitability of the product for his intended use and assumes all risk and liability in connection therewith.