

**PRODUCT CODES:** ELBDS

**NAME:** EnviroStain - Binder for Dipping Stains

**DESCRIPTION:** ELBDS 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 dip stain applications.

ELBDS dries medium-slow and helps prevent blotches and puddling of the stain. It also helps control colour penetration into the wood, thereby maintaining uniform colour and transparency.

**USES:** This product is designed for interior wood finishing applications and is especially suited for complex shapes such as assembled chairs, small parts or intricate profiles.

**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 10-15% ELBDS Dipping Stain Binder, add up to 10% ELTINT Micronized Pigment, up to 5% ELDYE Dye Concentrate can also be added to the pre mixed Binders to increase vibrancy. Add water to bring the total mix balance to 100%. Any leftover stain will require using preserving additives prior to prolonged storage.

**RECOMMENDED STARTING FORMULAS:**

Product	% by weight
Water	75-80
ELBDS	10-15
ELTINT	0-10*
ELDYE (optional)	0-5*

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

**RECOMMENDED APPLICATION:** Dip stains are very efficient in medium-large production settings with complex three dimensional products such as chairs and other furniture. A quantity of material is poured into a suitably sized vessel then the piece to be finished is "dipped" into the stain and removed to drip dry while it blends in, no wiping is required. Dip stains can also be poured over a piece depending on the geometry of your dip tank. Please contact your EnviroLak Technical Sales representative for guidance.

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

<b>PHYSICAL PROPERTIES:</b> (of the ELBRC)	Specific Gravity:	1.04
	Viscosity:	100-150 cps
	Solids Content:	40.00%
	Pot Life:	NA
	Flash Point:	>100°C
	VOC's:	0.30 g/L
	VOC's (minus exempt):	0.40 g/L

#### DRYING TIMES:

**Air dry:** (20°C/68°F) Ready to Seal: 2 hours

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

**Conventional Oven:** (40-45°C/104-113°F) Ready to Seal: 30 Minutes

**SUITABLE TINTS:** ELBSS, once reduced, is designed to be tinted with the ELTINT line of micronized pigments. It is also compatible with the ELDYE concentrates, although usage levels of the dyes should be less as they are very strong.

#### TINTING INSTRUCTIONS:

Stain System	Maximum Tint/Dye Load
ELBDS Dip Stain	10% Tint/5% Dye

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.