

PRODUCT CODES: ES301 - Uniforming White Wiping
ES325 - Uniforming Antique Walnut Wiping
ES375 - Uniforming Walnut Wiping

NAME: EnviroStain Uniforming Stain Concentrates

DESCRIPTION: ES3XX series includes three pre-made stain concentrates that are designed to give maximum colour consistency and uniformity when applied, even when working with different species of wood.

USES: This product line is designed for interior wood finishing applications such as cabinetry, tables, furniture and millwork. The finished stain (ES3XX + Water) can be sprayed or wiped on to apply and needs to be wiped off prior to finishing.

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 or swirls.

PRODUCT PREPARATION: Start with 50% of ES301 or ES325 or ES375 Pre-made Uniforming Stains, add 50% water and you have a ready to use uniforming stain. This stain can be further tinted with ELTINT or ELDYE colourants to make thousands of custom colours that offer industry leading colour consistency.

GENERAL FORMULA:
(min/max levels)
READY TO USE:

Product	% by weight
Water	50
ES301, ES325, or ES375	50

CUSTOM COLOUR STARTING FORMULAS:

Substrates: All species

Product	% by weight
ES3XX/Water 50:50	85-90
ELTINT	10*

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

RECOMMENDED Application is spray on wipe off or wipe on wipe off, either cup gun, HVLP turbine,

Wet Film Build:	2-5 mils
Grams per 1/10 sq. metre: (250x400mm board)	7-15 grams
Number of Coats:	1
Maximum Dry Film Build:	NA
Coating Temperature at Application:	18°C (65°F) or higher

After application this product needs to be wiped off using a clean, dry rag or sponge to ensure adhesion and correct colour appearance.

**PHYSICAL
PROPERTIES:**
(of the ES3XX)

Specific Gravity:	ES301-1.22, ES325-1.16, ES375-1.07
Viscosity:	NA
Solids Content (% by wt.):	ES301-29%, ES325-24%, ES375-11.2%
Pot Life:	NA
Flash Point:	100°C
VOC's (g/L):	ES301-70.6, ES325-125, ES375-256
VOC's (g/L minus exempt):	ES301-148.2, ES325-257, ES375-514

As a low solids product, these VOC values are California Air Resource Board (CARB) compliant.

DRYING TIMES:

Air dry:
(20°C/68°F)

Dry to Touch:	5-10 Minutes
Ready to Seal:	20-60 Minutes

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)

Dry to Touch:	5 Minutes
Ready to Seal:	15-25 Minutes

TYPICAL SYSTEMS:

Apply stain to sanded wood substrate and coat with clear sealers or self seal using topcoat. Recommended products include ELSEAL300, ELSEAL500, 100 series, 300 series, 500 series or 550 series.

SUITABLE TINTS:

The ES3XX Uniforming Stains can be further tinted with the ELTINT line of micronized pigments. They are also compatible with the ELDYE concentrates, although usage

**TINTING
INSTRUCTIONS:**

Stain System	Maximum Tint/Dye Loading
ES3XX Uniforming Stain	10% 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, stains must be shaken/mixed prior to use and should be under low agitation if being used in production for a prolonged period.

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Technical Data Sheet
ES3XX Uniforming
Revision Date: 12/19/23

- GENERAL** Use stainless steel (304/316) equipment for all water based products. When switching
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.

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