

# ILVA TECHNICAL DATA SHEET

**PRODUCT CODE:** TW710/Series

**DESCRIPTION:** WB CLEAR 2K CONVERTOR Series

**USES:** Waterborne Color System pigmentable topcoats for interior 2K

**PRODUCTION PREPARATION:** TW710/Series W/B Clear 2K Polyurethane 100 parts by weight  
TXW08 Waterbase Hardener for PU 0-10 parts by weight  
Water Thinner 5-10 parts by wt (if necessary for application)  
Designed as a tint base for deep tone colors. Use with PZ5 series tints up to 20% max. Not recommended as a clear topcoat. Use with crosslinker or hardener. The addition of TXW02 Crosslinker at 1% will slightly improve resistance properties. Best chemical resistance is achieved by adding TXW08/TXW13 or HXS5A16 Hardener at 0%-10%. The more Hardener you add, the shorter the pot life, but the better the chemical resistance.

**APPLICATION SYSTEM:** Spray - see pg 29 for additional information

**FILM THICKNESS:** 4.2-4.9 wet mils per coat

**COATS:** One or Two Maximum

**GENERAL PROPERTIES:** Specific Gravity, gr/cc 1.032 - 1.038 +/-0.03  
Viscosity using Ford Cup #6 30+/- 3 sec  
Viscosity ready to use Ford Cup #6 35+/- 3 sec  
Solids by Weight, % as supplied (I component) 34.5 - 35.8 +/- 2  
Solids by Weight, % as supplied (II component) 38.8 +/-2  
Pot Life using PU Hardener 2 hours

**DRYING TIME:** Dust Free Flash-off at 40°C (104°F) 1 hour  
(at 20°C/68°F) Dry To Touch 2 hours  
Had Dry to handle 4 hours  
Stackable after room temperature drying 12 hours

Please note that drying times may change with varying temperatures, ventilation and relative humidity. In particular, good ventilation promotes hard dry and best dry times for handling and stacking.

Laminar flow cabinet drying at (30°C, 86°F)

Air speed m/sec 1.2  
Air Speed ft/sec 3.9

Hot air stages tunnel drying (20-40-60°) complete drying 5 hours  
Stackable after jet hot air drying 5 hours (with spacers)

**GLOSS AVAILABLE:** TW710/10 10 sheen TW710/30 30 sheen  
TW710/20 20 sheen TW710/70 70 sheen

**RECOMMENDATIONS:** We recommend using stainless steel for all water-based products. If using both solvent and water-based products we suggest the following:  
---from water to solvent: wash with water, then wash with solvent  
from solvent to water, reverse the cycle.  
Keep cans closed when not in use and wash all equipment well. Keep from freezing.  
Preparation note: to have a good mix between 1st and 2nd component you must follow this procedure: weigh and prepare separately the quantity of 2nd component necessary to mix; pour out slowly 2nd component into 1st component as 1st component is continually mixed; add water only when 2nd component is completely mixed.

**SHELF LIFE:** 12 Months

**STORAGE:** Store in a tightly closed container at room temperatures (18 -25 °C/64 -75 °F) and protect from moisture and foreign material. Do not store at temperatures below 7°C (45°F)

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