

ILVA TECHNICAL DATA SHEET

PRODUCT CODE: PL 800 Series

DESCRIPTION: Polyurethane White Matte Finish

USES: Polyurethane white flat topcoats. suitable for open and closed grain systems, for flat panels and assembled furniture. Packed in 20 KG pails for use as tintometric system base or a stand-alone product.

PRODUCT PREPARATION:	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Parts by weight</u></td> <td style="text-align: center; border-bottom: 1px solid black;"><u>Parts by volume (ounces)</u></td> </tr> <tr> <td>PL800 Series Polyurethane White Matte</td> <td style="text-align: center;">100</td> <td style="text-align: center;">128</td> </tr> <tr> <td>TX75 Hardener (non-yellowing)*</td> <td style="text-align: center;">40</td> <td style="text-align: center;">64</td> </tr> <tr> <td>TZ13 Thinner</td> <td style="text-align: center;">15-30</td> <td style="text-align: center;">30</td> </tr> </table>		<u>Parts by weight</u>	<u>Parts by volume (ounces)</u>	PL800 Series Polyurethane White Matte	100	128	TX75 Hardener (non-yellowing)*	40	64	TZ13 Thinner	15-30	30
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*TX72 for faster set time with slightly less non-yellowing properties.

APPLICATION SYSTEMS: Airless, air-assisted, conventional spray.

QUANTITY: 120 140 per coat(gr sq mt) (4.8-5.6 wet mils)

COATS: One

GENERAL PROPERTIES:	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Specific Gravity, gr/cc</td> <td style="text-align: right;">1.28 +/-0.05</td> </tr> <tr> <td>Viscosity*</td> <td style="text-align: right;">62 +/-3 sec</td> </tr> <tr> <td>Application Viscosity*</td> <td style="text-align: right;">10 +/-2 sec</td> </tr> <tr> <td>Solids by Weight, %, as supplied</td> <td style="text-align: right;">65 +/-2</td> </tr> <tr> <td>Solids by Weight, %, ready to use</td> <td style="text-align: right;">58</td> </tr> <tr> <td>Pot Life, hours at 20°C/68°F</td> <td style="text-align: right;">3</td> </tr> </table>	Specific Gravity, gr/cc	1.28 +/-0.05	Viscosity*	62 +/-3 sec	Application Viscosity*	10 +/-2 sec	Solids by Weight, %, as supplied	65 +/-2	Solids by Weight, %, ready to use	58	Pot Life, hours at 20°C/68°F	3
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* ASTM D1200 (Ford) #4 at 20°C/68°F

DRYING TIME: (at 20°C/68°F)	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">To handle:</td> <td style="text-align: right;">1 hour</td> </tr> <tr> <td>To stack:</td> <td style="text-align: right;">Over night</td> </tr> </table>	To handle:	1 hour	To stack:	Over night
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AVAILABLE SHEENS:	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">PL800/50</td> <td style="text-align: right;">50 sheen</td> </tr> <tr> <td>PL800/20</td> <td style="text-align: right;">20 sheen</td> </tr> <tr> <td>PL800/10</td> <td style="text-align: right;">10 Sheen</td> </tr> <tr> <td>PL800/05</td> <td style="text-align: right;">5 Sheen</td> </tr> </table>	PL800/50	50 sheen	PL800/20	20 sheen	PL800/10	10 Sheen	PL800/05	5 Sheen
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TYPICAL SYSTEMS:	<table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Substrate:</td> <td colspan="2" style="text-align: right;">MDF (closed grain), Ash (open grain)</td> </tr> <tr> <td colspan="3"><u>Open Grain Finish</u></td> </tr> <tr> <td>PA20/TX50</td> <td style="text-align: right;">1 coat</td> <td style="text-align: right;">120 gr/sq mt.(4.8 wet mils)</td> </tr> <tr> <td>PL800 Series/TX75</td> <td style="text-align: right;">1 coat</td> <td style="text-align: right;">120 gr/sq mt.(4.8 wet mils)</td> </tr> <tr> <td colspan="3"><u>Closed Grain Finish</u></td> </tr> <tr> <td>TF25/TV19</td> <td style="text-align: right;">1 coat</td> <td style="text-align: right;">40 gr/sq mt (1.6 wet mils)</td> </tr> <tr> <td>PI40/TVS5AA1/TV84</td> <td style="text-align: right;">2-3 coats</td> <td style="text-align: right;">150/200 gr/sq mt (6-8 wet mils)</td> </tr> <tr> <td>PL800 Series/TX75</td> <td style="text-align: right;">1 coat</td> <td style="text-align: right;">120 gr/sq mt. (4.8 wet mils)</td> </tr> </table>	Substrate:	MDF (closed grain), Ash (open grain)		<u>Open Grain Finish</u>			PA20/TX50	1 coat	120 gr/sq mt.(4.8 wet mils)	PL800 Series/TX75	1 coat	120 gr/sq mt.(4.8 wet mils)	<u>Closed Grain Finish</u>			TF25/TV19	1 coat	40 gr/sq mt (1.6 wet mils)	PI40/TVS5AA1/TV84	2-3 coats	150/200 gr/sq mt (6-8 wet mils)	PL800 Series/TX75	1 coat	120 gr/sq mt. (4.8 wet mils)
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SHELF LIFE: 18 Months

STORAGE: Store in a tightly closed container at room temperatures (18 -25 °C/64 -75 °F) and protect from moisture and foreign material.

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