



# ISO-STAIN

# 850 SERIES

Opaque stain

Pearl

100% acrylic latex

## TECHNICAL DATA SHEET

### DESCRIPTION

Our **ISO-STAIN 850** pearl finish is a 100% acrylic latex opaque stain of superior quality for indoor and outdoor use. Its high permeability allows the wood to breathe and thus increase its life expectancy. It is easy to apply and dries quickly. This stain protects the wood against the U.V. rays. The **ISO-STAIN 850** can be used for commercial and residential projects.

USE		LIMITATIONS										
<p>This stain is applicable on interior and exterior surfaces. <b>ISO-STAIN 850</b> must be applied to wood surfaces that have been well prepared and properly primed. It can be applied on siding, fences, terraces, patios, wooden furniture, doors and windows.</p>		<p>Avoid application in all temperatures under 10°C            Do not apply under direct sunlight            Wait 30 days before proceeding with the first cleaning            Do not mix with other stains            Does not adhere to water repellent stains</p>										
CHARACTERISTICS		TECHNICAL INFORMATION										
<ul style="list-style-type: none"> <li>· <b>ISO-STAIN 850</b> is specifically designed to let humidity pass through the stain film.</li> <li>· It adheres to well-prepared surfaces without the need for any primer (see surface preparation section and recommended primer section)</li> <li>· It is formulated with a fungicide that will delay the growth of mold.</li> <li>· The <b>ISO-STAIN 850</b> is thermoplastic which gives the film excellent flexibility to resist substrate movements due to temperature change.</li> <li>· Excellent UV protection.</li> <li>· Excellent water resistance.</li> <li>· <b>ISO-STAIN 850</b> offers good resistance to cleaning with lukewarm soapy water. Excellent gloss and colour retention.</li> </ul>		<table border="1"> <thead> <tr> <th rowspan="2">DRYING TIME</th> <th>Recoat:</th> <th>To touch:</th> <th colspan="2">Exterior:</th> </tr> </thead> <tbody> <tr> <td>4-12 hours</td> <td>1 hours</td> <td>Bases 0,1&amp;2 : Plan for dry weather 24 hours after application</td> <td>Bases 4 &amp; 5 : Plan for dry weather 48 hours after application</td> </tr> </tbody> </table> <p>At 25° Celsius. Relative humidity at 50%. May differ depending on the colour.</p>		DRYING TIME	Recoat:	To touch:	Exterior:		4-12 hours	1 hours	Bases 0,1&2 : Plan for dry weather 24 hours after application	Bases 4 & 5 : Plan for dry weather 48 hours after application
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	4-12 hours	1 hours	Bases 0,1&2 : Plan for dry weather 24 hours after application	Bases 4 & 5 : Plan for dry weather 48 hours after application								
		<p><b>SURFACE COVERAGE (for 3.78 L)</b> 28 - 37 m<sup>2</sup> (300 - 400 ft<sup>2</sup>) May vary depending on the surface porosity</p>										
		<p><b>Recommended film thickness</b> Wet: 4.0 - 5.25 mils Dry: 1.4 - 1.85 mils</p>										
		<p><b>Cleaning</b> Lukewarm soapy water</p>										
		<p><b>Resin</b> 100% acrylic latex</p>										
		<p><b>Thinner</b> Water</p>										
		<p><b>Inflammability</b> N/A</p>										
		<p><b>Flash point</b> N/A</p>										
		<p><b>% of solids by weight</b> 45%</p>										
		<p><b>% of solids by volume</b> 35%</p>										
		<p><b>VOC</b> &lt;100 g/L</p>										
		<p><b>GLOSS Pearl</b> <b>60°</b> 10 – 20% <b>85°</b> 25 – 35%</p>										
		<p>The value is measured based on the white. The value may vary according to the chosen colour.</p>										
BASES		946ml 3,78L 18,9L										
850-0	White	X	X									
850-1	P Base	X	max. of 2 oz of colorant / 3,78 L									
850-2	M Base	X	max. of 5 oz of colorant/ 3,78 L									
850-4	D Base	X	max. of 8 oz of colorant / 3,78 L									
850-5	A Base	X	max. of 12 oz of colorant / 3,78 L									

<p><b>SURFACE PREPARATION</b></p> <p>The surface must be dry and clean, without dust, oil, grease, rust and soap. On painted surfaces, it is recommended to clean with a degreaser (T.S.P.) in order to eliminate any contaminant that may harm the adhesion or the curing of the product. Thoroughly rinse the entire surface. The surfaces must be well sanded and dusted.</p> <p><b>Presence of mold:</b> Clean the affected area with a mixture of 1 part bleach to 3 parts water. Thoroughly rinse the entire surface.</p> <p>Flaking or peeling paint: Using a scraper, remove the weakened and/or loose paint, then sand the edges of the surface to make it smooth. A repair compound should be used to fill holes and uneven surfaces. Sand with a grade #100 sanding paper.</p> <p><b>Wood:</b> The horizontal surfaces must be sanded with a grade #60 sanding paper and #100 for vertical surface, to open the wood fibers.</p> <p><b>New or treated wood having been exposed to bad weather:</b> It is strongly recommended that any apparent or undesirable mold growth be neutralized in order to prevent peeling. Use a mixture of 1 part bleach to 3 parts water, let stand for 20 minutes to take effect, then rinse and allow the wood to dry for at least 24 hours.</p>	<p><b>RECOMMENDED PRIMER</b></p> <p><b>New Wood :</b> Use the <b>ISO-STAIN 850</b>.</p> <p><b>Pine knots:</b> Seal the pine knots with the <b>Stop Plus 298</b>.</p> <p><b>Red cedar and redwood:</b> Apply one to two coats of Block Plus 296 alkyd based.</p> <p><b>Latex paint:</b> No primer is required.</p> <p><b>Alkyd paint :</b> Use the WOODMATE 1060.</p> <p><b>Dark colours:</b> Some dark colours may require the application of a dark tinted primer in order to improve opacity. Use the <b>Adhero Plus 290-2</b> and <b>290-4</b>, available in more than 30 colours.</p> <p><i>If the surface to be primed is not mentioned, please contact an MF Paints distributor for further recommendations.</i></p>
<p><b>APPLICATION</b></p> <p>This product is ready to be used and does not require dilution. Mix well before use. Apply one coat or two if necessary. Allow a minimum drying time of 4 hours between each coat for pale colours and 12 hours for dark colours. In order to properly cover the surface, it is recommended to use a 15mm lint free roller and a quality nylon-polyester brush. Clean the brushes and rollers with lukewarm soapy water following their use.</p>	<p><b>MAINTENANCE COAT</b></p> <p>An annual visual evaluation is recommended. Verify that the wood surface is not impaired or damaged. If the surface is intact and only the gloss level has changed, use <b>ISO-STAIN 850</b> in order to bring shine back to your surface. Should you detect traces of flaking and cracking, lightly sand the surface and apply 2 coats of <b>ISO-STAIN 850</b> in order to restore its original appearance. By proceeding this way, you will prolong the life length of your stain.</p>
<p><b>STORAGE</b></p>	
<p>Store the paint in a dry area and maintain temperature between 10°C and 30°C.</p>	
<p><b>WARRANTY</b></p> <p>This product will give full satisfaction if applied according to the manufacturer's instructions. Manufacturer's liability is limited to the replacement of the product and does not include manpower if found defective upon inspection.</p>	<p><b>CAUTION</b></p> <ul style="list-style-type: none"> <li>• Keep away from children's reach</li> <li>• Keep lid closed when not in use</li> <li>• Avoid freezing</li> </ul>

**" Contact your municipality to dispose of the container in an environmentally-friendly manner "**