



ISO-STAIN

850

Opaque Stain 100% acrylic Latex Pearl

TECHNICAL DATA SHEET

INTERIOR/EXTERIOR

DESCRIPTION

ISO-STAIN 850 is a high quality 100% acrylic latex opaque stain with a pearl finish. It can be used for interior and exterior application. It is easy to apply and dries quickly. Its high permeability maintains the natural circulation of the air through the coating. This stain is UV resistant and can be used for commercial and residential projects. See limitations section for application to woods that may bleed.

USE

This stain is suitable for both vertical and horizontal wood surfaces. ISO-STAIN 850 must be applied to properly prepared and primed surfaces. It can be applied to siding, fences, decks, patios, wood furniture, doors and windows, as well as cement surfaces such as fiber cement. Some woods that may bleed through require priming (follow priming recommendations).

ADVANTAGES

- Keep a natural look of the wood
- UV resistant
- Water repellent properties
- Good flexibility to wood movement
- Can be used on vertical and horizontal surfaces
- Designed to let moisture pass through the stain film.

LIMITATIONS

- Not designed to seal wood that may bleed such as: (cedar, redwood, plywood, recomposed and glued wood, exotic wood or any other wood with bleeding)
- Avoid application at temperatures below 10 ° C or in direct sunlight.
- Do not mix with other products
- Do not apply to water repellent Stain
- Do not apply to wood that exceeds 12% moisture

TECHNICAL DATA

Resin	100% acrylic	
Color	White and Tinted Bases	
Solvent	Water	
Flash Point	N/A	
Inflammability	N/A	
Solids by weight	45	%
Solids by volume	35	%
VOC	<100	g/l
Gloss	60°	10-20 %
Sheen	85°	25-35 %
The value is measured from the white. It may vary depending on the color		
Standards	ASTM E96-00 155 perms@14mils EFS(g/jour/m ²)	

APPLICATION DATA

*At 25° Celsius			
Relative humidity at 50%			
May differ depending on the colour			
Spreading Rate		28-37m ²	
May vary depending on the surface porosity		(300-400pi ²)	gallon
Film Thickness	Wet	4,0-5,25	mils
	Dry	1,4-1,85	mils
Drying Time*	Tack free	1	hour
	Recoat	4-12	hours
	Light Traffic	24	days
	Cleaning	30	days
Application	Brush	√	
	Roller	10-15	mm
	Spray	N/A	lb/sqin
Exterior application and condition		Yes	
Bases 0-1-2	No rain expected following the application	24	hours
Bases 4-5	No rain expected following the application	48	hours
Conservation	Temperature between	10 et 30	°C
Tinted Based	Format		
	946ML	3,78L	18,9L
850-0 White	√	√	
850-1 White P	√		max. 2 oz of colorant/3,78 L
850-2 White M	√		max. 5 oz of colorant/3,78 L
850-4 Base D	√		max. 8 oz of colorant/3,78 L
850-5 Base A	√		max. 12 oz of colorant/3,78 L



SURFACE PREPARATION

The surface must be clean, free of dust, oil, grease, and soap, or any other contaminants that could prevent the adhesion of the stain.

Existing coating on the wood surface, ensure that the products are compatible, otherwise the old coating will have to be completely removed. If they are compatible then we can add additional layers. To do this, the surface must be washed with a mixture of degreaser (TSP), one liter of bleach and three liters of water. Scrub then rinses with a pressure washer set to 500-600 lbs of pressure. Repeat the operation as needed until a sound surface is obtained. Leave to dry for 48 hours, the surface must be dry. Then sandblast with 100-120 of the existing coating to improve adhesion.

Presence of mold, on new or treated wood that has been exposed to the weather, it is strongly recommended to neutralize all growth of mold, whether visible or not, in order to avoid peeling. Use a mixture of 3 parts water and 1 part bleach, leave on for 20 minutes but do not let dry, then rinse. Allow the wood to dry for at least 48 hours before staining it.

Bare wood, sand with #100 grit sandpaper for vertical surfaces and #80 grit for horizontal surfaces. Mechanical sandblasting is strongly recommended for horizontal surfaces.

RECOMMENDED PRIMERS

Wood without bleeding: Apply Iso-Stain 850 directly

Wood with bleeding: such as (red cedar, redwood, exotic plywood, recomposed and glued wood and any wood with bleeding): Apply one to two coats of Block Plus 296 alkyds based.

Warning: Wood is a natural material and although it is treated, bleeding may reappear over time

Pine knots: Seal pine knots with Stop Plus 298

APPLICATION

Apply at temperatures between 10°C and 30°C. Do not apply when the surface is exposed to sunlight. The wood must not exceed 12% moisture content. Wait 24 hours after light rain and 24 to 48 hours after a downpour. Use a long, natural bristle brush. Apply the coating with a back-and-forth motion following the wood fibers. Apply only the width of 2-3 boards and finish the boards lengthwise to avoid any demarcation. Stir the product during application to keep the mixture even. If spraying, go over it successively and immediately with a brush to ensure good penetration of the stain into the wood. Wait 4 hours between coats for light colors and 12 hours for dark colors. Apply two coats for a more uniform finish and better protection.

MAINTENANCE

A visual evaluation of the surface is recommended annually. Look to see if the wood surface is altered or damaged. If the surface is intact and only the gloss is altered, clean and sand the surface, then apply one coat. This will extend the protection.

WARRANTY

This product will give complete satisfaction if applied according to the manufacturer's instructions. In the event that this is found to be defective after inspection, the manufacturer's liability is limited to replacement of the product and does not include labor during application.

CAUTION

- Keep out of the reach of children
- Keep container closed when not in use
- Avoid freezing

CONTACT YOUR MUNICIPALITY TO DISPOSE OF THE CONTAINER IN AN ENVIRONMENTALLY-FRIENDLY MANNER.