



WOODMATE

PROTECTIVE STAIN

EXTERIOR

1090

HYBRID ACRYLIC STAIN

WATER-BASED

SEMI-TRANSPARENT

SATIN

TECHNICAL DATA SHEET

DESCRIPTION

Woodmate 1090, is a semi-transparent hybrid water-based stain for exterior use. It is designed to bring out the authentic character of wood surfaces. Its satin finish combined with a hydrophobic wax protect the wood.

USE

This protective stain is applicable on exterior surfaces. Woodmate 1090 can be applied to properly prepared vertical and horizontal surfaces such as decks, siding and wood fences.

ADVANTAGES

- Protects and keeps the wood looking natural
- UV resistance
- Water repellent properties
- Good flexibility, follows the natural movements of the wood
- Can be used on vertical and horizontal surfaces
- Weathering resistance.

LIMITATIONS

- Clear should be tinted (see table Application Data)
- Not designed to block bleeding from wood
- Avoid application at temperatures below 10 ° C or in direct sunlight.
- Do not mix with other products
- Do not apply over a water repellent sealer
- Not designed for exotic wood

TECHNICAL DATA

Resin		Hybrid Acrylic	
Colour		Clear & bases	
Thinner		Water	
Flash Point		N/A	
Inflammability		N/A	
Solids by weight		23	%
Solids by volume		21	%
VOC		<250	g/l
Gloss	60°	5-10	%
Sheen	85°	5-10	%
Standards	N/A		

APPLICATION DATA

*At 25° Celsius			
Relative humidity at 50%			
May differ depending on the colour			
Spreading Rate		28-46 m ² (300-500sqft)	liter
<small>May vary depending on the surface porosity</small>			
Film Thickness	Wet	3,2-5,3	mils
	Dry	1,12-0,67	mils
Drying Time*	Tack free	1	hours
	Recoat	4	hours
	Light traffic	24	hours
	Rain resistance	24	hours
	Cleaning	30	days
Application	Brush	√	
	Roller	√	Follow brush
	Spray airless	√	Follow brush
Application condition			
	If light rain wait before applying	8	hours
	If heavy rain wait before applying	24	hours
Storage	Temperature between	10 et 30	°C
Bases	Format		
	946ML	3,78L	18,9L
1090-0 Clear	√	√	min 1 oz - max 3 oz
1090-6 Red Base	√	√	max . 3 oz
1090-7 Yellow Base	√	√	max . 3 oz



SURFACE PREPARATION

Wood already painted or stained: If there is already a coating on the wood it will need to be removed completely before proceeding with the application. The wood should not be sealed. Wash the surface to be dyed with a mixture of degreaser (TSP), one liter of bleach and three liters of water. Lightly moisten the surface then apply the mixture to the wood. Let soak for 10-20 minutes without drying, scrub with a brush then rinse with a pressure washer set at 500-600 lbs of pressure. Repeat the operation as needed until a healthy, solid surface is obtained, free of dead and graying wood fibres. Leave to dry for 48 hours. The surface must be dry and clean, free of dust, oil, grease, rust and soap, or any other contaminants that could prevent the adhesion of the stain. Sand the wood with #100 grit sandpaper for vertical surfaces and #80 grit for horizontal surfaces to open the pores of the wood. Mechanical sandblasting is strongly recommended for horizontal surfaces.

New or treated wood that has been exposed to the weather, it is strongly recommended to neutralize any mold growth, 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 without letting it dry, then rinse. The wood must have dried at least 24 hours before staining it. Once the surface is dry, sand all horizontal surfaces with #80 grit sandpaper and for vertical surfaces #100, to open the wood fibers and improve adhesion. If cleaning with a pressure washer is necessary, it must be done before sanding

APPLICATION

This product is ready to use and does not require dilution. Mix well before use. Apply two coats. Allow a minimum of 4 hours drying time between each coat. To penetrate and even out the stain in the wood, use a quality nylon-polyester paintbrush. If roller or spry is used, the stain should be immediately back brushed. Clean rollers and brushes with warm soapy water after use.

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 CONTAINERS AND SURPLUSES IN AN ENVIRONMENTALLY FRIENDLY MANNER.