



## Technical Data Sheet

SAMAN EXTERIOR VARNISH (semi-gloss, satin) /  
SAM-870, SAM-830

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### DESCRIPTION

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Saman exterior varnish is a water based 100% acrylic finish recommended for exterior wood surfaces: doors, windows, cladding, garden furniture, etc. Formulated with mold inhibitors and UV absorbers, it will provide a flexible and water resistant finish with good adhesion properties. It will protect wood against weathering, growth of mold and UV rays exposure.

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### PRODUCT SPECIFICATIONS

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**pH:** 8.0-8.5

**Solids:** 32% (by weight); 30% (by volume)

**Viscosity:** 58-62 (Krebs-Stormer)

**Density:** 1.03-1.04 kg/l

**Drying time:** 1-3 hours at 70°F and 50% relative humidity. Drying time may vary according to ambient temperature and relative humidity.

**Coverage:** 400-500 sq. ft/gal.

**VOC:** 115 g/l

**Gloss levels:** semi-gloss 70-75%, satin 40-45%, (measured at an angle of 60°)

**Recommended applicators:** brush or spray

**Clean up:** Clean applicator and equipment with water.

**Storage:** minimum temperature 41°F, maximum temperature 95°F. KEEP FROM FREEZING. KEEP OUT OF REACH OF CHILDREN.

**Shelf life:** at least 1 year in a well closed container.

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### APPLICATION

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#### Surface preparation

1. Surfaces must be clean, dry and free from wax, grease, oil and mold.
2. New wood: sand to ensure a smooth finish.  
Old wood: bring back to bare wood.  
Stained wood, exotic wood: surfaces should be tested for adhesion and compatibility of material.  
Varnished wood: sand to get proper adhesion or strip completely and treat as new wood.

#### Finish application

For best results, the wood humidity should be lower than 12%. Ideal application conditions: dry weather with a temperature between 59 and 77 °F.

1. Mix thoroughly by gently stirring. Do not shake.
2. Apply uniformly 2 or 3 coats along the wood grain. Sand lightly between coats.
3. Do not apply directly under sunlight or if rain is expected.
4. Let dry 24 hours after final coat before full use.