



ARBORCOAT[®]

WATERBORNE EXTERIOR STAIN

SEMI SOLID K639

Features

- Provides protection and colour without obscuring the grain or texture of the wood
- The semi solid opacity of this product makes it ideal for reducing colour variations in wood without completely obscuring the wood grain
- Provides mildew resistant coating
- Scuff resistant
- May be applied to new, pressure treated lumber. Ideal for softwoods like cedar and pine.
- Formulated to penetrate, protect, and beautify wooden decking and furniture
- A water repellent coating

Recommended For

Residential or commercial applications where a premium quality finish is desired. For exterior use on wood decking, fencing, siding, shakes, and furniture.

General Description

A premium quality 100% acrylic semi-solid stain formulated to penetrate and protect wood, resist abrasion, and beautify wood decking, siding, fencing, shakes and furniture. Its colours are semi solid, allowing some of the colour and the grain pattern of the wood to show through. Arborcoat[®] Semi Solid stain can be top coated with Arborcoat[®] Waterborne Protective Clear Coat (K636) for a low lustre look.

Limitations

- Do not apply when air and surface temperatures are below 4.4 °C (40 °F)
- Moisture level of wood substrate must be below 15%. Test light colours for tannin bleed over a small area before proceeding
- Not recommended for hardwood
- For a low lustre look, apply a single thin topcoat of Arborcoat[®] Waterborne Protective Clear Coat (K636)

Product Information

Colours — Standard:	Technical Data [◇]	White Base
None	Vehicle Type	100% Acrylic Latex
	Pigment Type	Titanium Dioxide
	Volume Solids	36%
	Coverage per 3.79 L at Recommended Film Thickness	27.9 – 37.2 sq. m. (300 – 400 sq. ft.)
	Recommended Film Thickness	3.5 - 4.8 mils
	– Wet	
	– Dry	1.3 – 1.7 mils
	Depending on surface texture and porosity. Be sure to estimate the right amount of stain for the job. This will ensure colour uniformity and minimize the disposal of excess material.	
	Dry Time @ 25 °C (77 °F) @ 50% RH	– To Touch ½ Hour – To Recoat 4 Hours
	High humidity and cool temperatures will result in longer dry, recoat and service times. Allow 48 hours dry time before subjecting decks to normal foot traffic.	
	Dries By	Evaporation, Coalescence
	Viscosity	72 ± 3 KU
	Flash Point	None
	Gloss / Sheen	Flat
	Surface Temperature at Application	– Min. 4.4 °C (40 °F) – Max. 32.2 °C (90 °F)
	Thin With	See Chart
	Clean Up Thinner	Clean Water
	Weight Per 3.79 L	4.67 kg (10.3 lbs)
	Storage Temperature	– Min. 4.4 °C (40 °F) – Max. 32.2 °C (90 °F)
	Volatile Organic Compounds (VOC)	
	93 g/L	
Colours — Standard: None		
— Tint Bases: White Base (01), Clear Tint Base (06) Tint with Benjamin Moore [®] Gennex [®] Colorants Only		
— Special Colours: Contact your Benjamin Moore representative.		
Certifications & Qualifications: VOC compliant in Canada		
CUSTOMER SERVICE INFORMATION CENTRE 1-800-361-5898, info@benjaminmoore.ca , www.benjaminmoore.ca		

[◇]Reported values are for colour shown. Contact Benjamin Moore for values of other bases or colours.

Arborcoat® Exterior Waterborne Semi Solid Deck & Siding Stain K639

Surface Preparation

Optimal performance is achieved when the product is applied to a clean, dry and absorbent wood substrate. This product must be able to penetrate.

New Wood: Smooth planed wood siding, trim, or deck boards must be sanded thoroughly or treated with Benjamin Moore® Brighten, Brightener & Neutralizer (K317) to break the "mill glaze" and allow proper penetration and adhesion. After prep is complete, test for penetration by applying a few drops of water to the dry substrate. If the water does not quickly penetrate, repeat prep or consult your Benjamin Moore® retailer.

Weathered Wood: Prior to staining, weathered wood must be treated with Benjamin Moore® Restore, for Gray & Weathered Wood (K316), following label directions, until a sound surface is obtained (loose or damaged wood fibers removed).

Previously Stained Surfaces: This product can also be applied to surfaces previously stained with a transparent stain that is weathered but is not flaking or peeling. Remove contaminants or chalky residue from weathered stained surfaces by washing with Benjamin Moore® Clean, Multi-Purpose Cleaner (K318) and allow to dry thoroughly.

If the existing stain is flaking or peeling it should be removed prior to staining. Existing paint, stain or sealer can be removed by sanding with an On Floor machine or using Benjamin Moore® Remove, Finish Remover (K315).

Un-weathered areas such as eaves, ceilings, overhangs or protected wall areas must be washed with Benjamin Moore® Clean, Multi-Purpose Cleaner (K318) and rinsed with a strong stream from a garden hose to remove surface salts that can interfere with proper adhesion.

Mildew: Stains from mildew must be removed by cleaning with Benjamin Moore® Clean (K318) prior to coating the surface.

Caution: Refer to the K315, K316, K317 and K318 technical data and safety data sheets for instructions on their proper use and handling.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

Application

Prior to finishing, ensure having enough stain to complete an entire section.

Stir thoroughly before and occasionally during use. Stain can be applied by brush, roller, pad applicator or by spray. If the product is applied using a roller or sprayer, it is recommended to back-brush the stain into the wood with the direction of the natural grain. Apply as received in the container.

Apply 1 or 2 coats Arborcoat® Waterborne Exterior Stain. A second coat provides optimal performance and uniformity. Wait for the first coat to dry for a minimum of 4 hours before applying the second coat. Please note that multiple coats will affect the opacity of the final finish and obscure more of the natural colour of the wood. Multiple coats may also result with the finish having a slight sheen. This sheen will slowly decrease with normal weathering.

In can colour may differ from the final dried finish.

Start by coating a sample of the exact wood you intend to finish. The finished colour and sheen of the stain system can vary depending on the type of wood—its natural colour, texture, grain porosity, and section of log from which it was cut.

Apply evenly, allowing the stain to penetrate into the wood. Brush from dry into wet areas, stopping at natural breaks, i.e. stairs or edges. To minimize lapping, always maintain a wet edge. On horizontal siding apply the stain on a section of 2 or 3 boards completely across the house. Lower the ladder and continue in the same manner until the side is completed. Vertical siding is coated using the same principle from top to bottom. Never stop staining in mid-wall; continue until a natural break is reached, such as a window.

Do not apply excess amounts as this will prevent optimum cure and may result in a solid colour appearance. Do not apply in direct sunlight as this will prevent the product from penetrating properly, causing lap marks.

Thinning/Cleanup

Conditioning with Benjamin Moore® K518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add K518 Extender or water: Max of 236 ml (8 fl. oz.) to a 3.79 L Never add other paints or solvents.
Roller: Premium Quality Nylon/Polyester		
Spray: Airless Pressure: 1200 -1800 psi Tip: 0.011-0.015		

Use soap and water.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry empty containers may be recycled in a can recycling program. **Local disposal requirements vary; consult your sanitation department or provincial environmental agency on disposal options.**

Environmental, Health & Safety Information

Use only in a well ventilated area. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

Refer to Safety Data Sheet for additional health and safety information.