



ARBORCOAT®

WATERBORNE EXTERIOR STAIN

SEMI TRANSPARENT F638

Features

- Provides protection and color without obscuring the grain or texture of the wood
- Formulated for outstanding color retention over time
- Excellent UV protection and great durability
- A scuff and mildew resistant coating
- Ideal for pressure treated lumber and softwoods like cedar and pine.
- May be applied to new wood, weathered wood or to previously stained wood with transparent stain

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 waterborne alkyd/ acrylic semi transparent stain formulated to penetrate, protect, and beautify wood siding, decks, fences or furniture. Its semi transparent colour allows the grain pattern and texture of the wood to show through. Generally, one coat of stain is sufficient on properly prepared substrates. A second coat of stain may be necessary on some surfaces to achieve desired colour. May be applied to new, weathered or to previously stained wood.

Limitations

- Do not apply when air and surface temperatures are below 4.4 °C (40 °F).
- New pressure treated lumber must be allowed to dry out or have a moisture content below 15%.
- Not recommended for hardwood
- Do not apply at less than 18.6 sq. m. (200 sq. ft.) per 3.79 L

Product Information

Colours — Standard: None	Technical Data ◇		Tint Base
	Vehicle Type	Alkyd / Acrylic / Urethane Blend	
— Gennex® Tint Bases: Clear Tint Base (06), Yellow Tint Base (12), Red Tint Base (20)	Pigment Type	Ultraviolet Inhibitors	
	Volume Solids	26%	
— Special Colours: Contact your Benjamin Moore representative.	Coverage per 3.79 L at	18.6 – 37.2 sq. m. (200 – 400 sq. ft.)	
	Recommended Film Thickness		
Certifications & Qualifications: VOC compliant in Canada Master Painters Institute MPI # 156	Recommended Film Thickness	– Wet	Penetrating Minimal
		– Dry	Penetrating Minimal
	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 24 hours dry time before subjecting decks to normal foot traffic.		
	Dries By	Evaporation, Coalescence	
	Viscosity	62 ± 2 KU	
	Flash Point	None	
	Gloss / Sheen	Flat	
CUSTOMER SERVICE INFORMATION CENTRE 1-800-361-5898, info@benjaminmoore.ca , www.benjaminmoore.ca	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	3.85 kg (8.5 lbs)	
	Storage Temperature	– Min.	4.4 °C (40 °F)
		– Max.	32.2 °C (90 °F)
	Volatile Organic Compounds (VOC)		
	18.3 g/L		

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

Arborcoat® Exterior Waterborne Semi Transparent Deck & Siding Stain F638

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 be applied to surfaces previously stained with a translucent/transparent or semi 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 using Benjamin Moore® Remove, Finish Remover (K315). Existing paint, stain or sealer can also be removed by sanding with an On Floor machine.

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.

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 siding or decking, apply the stain on a section of 2 or 3 boards completely across the length of the boards. Continue by coating the next section of boards in the same manner until the area is completed. Vertical siding is coated using the same principle from top to bottom. **Never stop staining in the middle of the board; continue until a natural break is reached.**

Do not apply excess amounts as this will prevent optimum cure. Do not apply in direct sunlight as this will prevent the product from penetrating properly, causing lap marks.

Apply when air and surface temperatures are between 4.4 °C (40 °F) and 32.2 °C (90 °F). Arborcoat® Waterborne Semi Transparent Stain (F638) can be touched up with the stain and coated with the Protective Clear coat (K636) as an annual refresher. Prior to finishing, ensure having enough material boxed or mixed to complete an entire section.

Thinning/Clean Up

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: 800-1500 psi Tip: 0.011-0.015		

Use soap and water.

Environmental Health & Safety Information

May cause allergic skin reaction.
Do not get on skin or clothing.

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.

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

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