



ARBORCOAT[®]

EXTERIOR WATERBORNE STAIN

SEMI-TRANSPARENT K638

Features

- Provides protection and colour without obscuring the grain or texture of the wood
- Added life and durability are given to the finish by UV blocking pigments ground in a weather tested vehicle
- 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
- Provides mildew resistant coating
- A water repellent coating
- Scuff resistant
- Can be applied to siding, new or previously coated 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 and protect wood, resist abrasion, and beautify wood decking, siding, fencing, shingles and furniture. Its colours are semi transparent, allowing the colour and the grain pattern of the wood to show through. As a complete system for decks the Arborcoat[®] stain must be top coated with Arborcoat[®] Waterborne Protective Clear Coat (K636). It can be applied to siding, new or previously coated with transparent stain.

Limitations

- Do not apply when air and surface temperatures are below 4.4 °C (40 °F).
- Not recommended for use on previously painted or stained wood decks unless previous coating has been completely removed.
- Moisture content of wood substrate must be below 15%.
- Not recommended for hardwood
- Do not apply at less than 18.6 sq. m. (200 sq. ft.) per 3.79 L
- The in can colour may be drastically different than the final dried colour.

Product Information

Colours — Standard: None	Technical Data[◇]		Tint Base
	Vehicle Type	Alkyd / Acrylic 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.	
	Recommended Film Thickness	(200 – 400 sq. ft.)	
Certification: VOC compliant in all regulated areas. Master Painters Institute MPI # 156	Recommended Film Thickness	– Wet	Penetrating Minimal
		– Dry	Penetrating Minimal
CUSTOMER SERVICE INFORMATION CENTRE 1-800-361-5898, info@benjaminmoore.ca , www.benjaminmoore.ca	Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure colour uniformity and minimize the disposal of excess paint.		
	Dry Time @ 25 °C (77 °F) @ 50% RH	– To Touch	½ Hours
	– To Recoat with Clear	1 - 3 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	
	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) 92 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 K638

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: On deck surfaces remove previous coatings completely. Existing paint, stain or sealer can be removed by sanding with an On Floor machine or using Benjamin Moore® Remove, Finish Remover (K315). Can be used on siding previously stained with translucent or transparent stain after cleaning with Benjamin Moore® Clean (K318).

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 material 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. Carefully clean up 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 @ http://www.hc-sc.gc.ca/iyh-vsv/prod/paint-peinture_e.html.

Application

Surfaces that were previously stained with Arborcoat® Waterborne Semi-Transparent Stain (K638) may be touched up with the stain prior to the application of an annual refresher coat of the Protective Clear Coat.

Prior to finishing, ensure having enough clear boxed or mixed to complete an entire section.

Stir thoroughly before and occasionally during use. Brushing is the preferred method of application. When applied by roller, spray, or dipping, back brushing is recommended to improve uniform distribution. Apply as received in the container. On properly prepared substrates, apply one coat of stain. On siding if the stain is quickly absorbed an addition coat can be applied prior to drying. On deck surfaces, apply one coat of stain and one coat of Arborcoat® Protective Clear Coat (K636).

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

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: 800 - 1500 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-designated 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.

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

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