



# ARBORCOAT<sup>®</sup>

## WATERBORNE EXTERIOR STAIN

### SOLID COLOR 640

#### Features

- Ideal for pressure treated, cedar, and redwood
- Excellent color retention and durability
- Excellent flow & leveling
- Self priming on most substrates
- Premium quality product with excellent resistance to blistering and peeling
- Unsurpassed resistance to mildew growth on the stain film
- Easy application with soap and water clean up

#### Recommended For

Residential or commercial applications where a premium quality finish is desired. New or old un-weathered wood, properly weathered wood, and previously painted or stained wood. An ideal choice for staining older weathered composite decks.

#### General Description

This premium quality product masks the grain of the wood without obscuring its texture. It has been formulated to protect and beautify all types of wood decks including cedar, redwood, and pressure treated lumber. It features easy application, a highly durable matte finish, fast dry, water cleanup, and excellent color retention. It is also a great product for coating older weathered Composite decks.

#### Limitations

- Do not apply when air and surface temperatures are below 40 °F (4.4 °C).
- Moisture content of wood substrate must be below 15%.
- When used as a deck stain, allow to dry for 48 hours before putting furniture back on decks and returning to service.
- Newly stained surfaces should be allowed to dry 30 days before washing.

#### Product Information

Colors — Standard:	Technical Data <sup>◇</sup>	Pastel Base
White (01)	Vehicle Type	100% Acrylic Latex
<b>— Tint Bases:</b> Benjamin Moore <sup>®</sup> Gennex <sup>®</sup> bases 1X, 2X, 3X & 4X	Pigment Type	Titanium Dioxide
<b>— Special Colors:</b> Contact your Benjamin Moore representative	Volume Solids	38%
<b>Certifications &amp; Qualifications:</b> VOC compliant in all regulated areas	Coverage per Gallon at Recommended Film Thickness	300 – 400 sq. ft.
Master Painters Institute MPI # 16	Recommended Film Thickness	
Water Vapor Transmission Properties ASTM D1653 – 17.2	– Wet	4.0 – 5.3 mils
<b>Technical Assistance</b> Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit <a href="http://www.benjaminmoore.com">www.benjaminmoore.com</a>	– Dry	1.4 – 1.9 mils
	Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.	
	Dry Time @ 77 °F (25 °C) @ 50% RH	
	– To Touch	1 Hour
	– To Recoat	3 – 4 Hours
	High humidity and cool temperatures will result in longer dry, recoat and service times. When used as a deck stain, allow to dry for 48 hours before putting furniture back on decks and returning to service.	
	Dries By	Evaporation, Coalescence
	Viscosity	94 ± 3 KU
	Flash Point	None
	Gloss / Sheen	Matte (0 - 6 @ 85°)
	Surface Temperature at Application	
	– Min.	40 °F
	– Max.	90 °F
	Thin With	See Chart
	Clean Up Thinner	Clean Water
	Weight Per Gallon	11.9 lbs
	Storage Temperature	
	– Min.	40 °F
	– Max.	90 °F
	<b>Volatile Organic Compounds (VOC)</b>	
	93 Grams/Liter	.78 lbs./Gallon

<sup>◇</sup> Reported values are for Pastel Base. Contact Benjamin Moore for values of other bases or colors

## Surface Preparation

Can be used over previously painted and stained wood that is in good condition. If general peeling is present all previous coatings should be removed.

Optimal performance is achieved when the product is applied to a clean, dry and absorbent wood substrate.

**New Wood:** Smooth planed wood siding, trim, or deck boards must be sanded thoroughly or treated with Benjamin Moore® Brighten, Brightener & Neutralizer (317) 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 (N316), following label directions, until a sound surface is obtained (loose or damaged wood fibers removed).

**Previously Stained Surfaces:** Can be used over previously painted and stained wood that is in good condition. If general peeling is present on decks all previous coatings should be removed by sanding with an On Floor machine or using Benjamin Moore® Remove, Finish Remover (315).

**Un-weathered areas** such as eaves, ceilings, overhangs or protected wall areas must be washed with Benjamin Moore® Clean, (N318) and rinsed with a strong stream from a garden hose to remove surface salts that can interfere with proper adhesion.

**Weathered Composite Decks:** Prior to Staining, the entire area should be properly cleaned using Benjamin Moore® Composite Deck Cleaner (313). Allow the cleaned deck to completely dry prior to staining.

Mildew: Stains from mildew must be removed by cleaning with Benjamin Moore® Clean (N318) prior to coating the surface.

**Caution:** Refer to the 313, 315, N316, 317 and N318 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 contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

## Primer/Finish Systems

**Previously Stained, Painted, or Sealed Wood:**

**Primer:** This product is self-priming on most surfaces.

**Finish:** Apply 1 coat of Arborcoat® Waterborne Solid Color Deck & Siding Stain (640). If needed to obtain complete hiding, a second coat may be applied.

**New Wood or Properly Prepared Weathered Wood:**

This product is self-priming on most surfaces. Tannin rich woods such as redwood or cedar should be primed with Arborcoat® Exterior Oil Primer (366) or Fresh Start® High-Hiding All Purpose Primer (046).

**Finish:** Apply 1 or 2 coats Arborcoat® Waterborne Solid Color Deck & Siding Stain (640). Two coats provide optimal performance on bare wood surfaces.

**Composite Decking:**

**Primer:** This product is self-priming when used on properly cleaned weathered composite decking

**Finish:** Apply 2 coats of Arborcoat® Waterborne Solid Color Deck & Siding Stain (640)

## Application

Stir thoroughly before using and often during application. Apply using a synthetic bristle brush, roller, or spray. Back-brushing is recommended with roller or spray application. To help eliminate lap marks, stain only a few boards at a time keeping the leading edge “wet.” Do not stain when temperature of air and surface is below 40 °F (4.4 °C). **CAUTION:** The stained deck may become slippery when wet.

**In can color may differ from the final dried finish.**

## Thinning/Clean up

Conditioning with Benjamin Moore® 518 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
<b>Brush:</b> Nylon/Polyester	No Thinning Necessary	Add 518 Extender or water:
<b>Roller:</b> Premium Quality Nylon/Polyester		Max of 8 fl. oz. to a gallon of stain
<b>Spray: Airless*</b> Pressure: 2000 - 2500 psi Tip: 0.013 - 0.017"		Never add other stains, paints or solvents.

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 state-designated environmental agency on disposal options.**

## Environmental, Health & Safety Information

**WARNING!**

**Possible birth defect hazard.** Contains, Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester, which may cause birth defects based on animal data.

**Use only with adequate ventilation.** Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer’s directions for respirator use. Close container after each use. Wash thoroughly after handling.



**WARNING** Cancer and Reproductive Harm—  
[www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

**FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**IN CASE OF SPILL** — Absorb with inert material and dispose of as specified under “Thinning/Clean up”.

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

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