



# ARBORCOAT<sup>®</sup>

## WATERBORNE ULTRA FLAT

### SOLID STAIN 610

#### Features

- Beautiful rustic ultra flat finish
- Suitable for use on all types of wood and properly cured stucco, masonry, manufactured and fiber-cement siding
- Specially formulated to resist mildew growth on the coating
- Excellent touch up and re-coat properties
- Hides imperfections on exterior surfaces with an ultra-flat finish
- Easy to use with soap and water clean up

#### Recommended For

Residential or commercial applications where a premium quality finish is desired. Use on new or previously stained smooth or rough siding, manufactured hardboard and fiber-cement siding, shakes, trim, railings, fencing, stucco and masonry.

#### General Description

A premium ultra-flat solid stain which masks the grain of the wood without obscuring its texture. This durable finish protects and enhances the appearance of new or previously stained smooth or rough siding, manufactured hardboard and fiber-cement siding, shakes, trim, railings, fencing, stucco and masonry. The ultra flat finish minimizes exterior imperfections while maintaining excellent color retention properties.

#### Limitations

- Do not apply when air and surface temperatures are below 40 °F (4.4 °C)
- Do not apply to surfaces such as outdoor furniture or decks

#### Product Information

<p><b>Colors — Standard:</b> White (01)</p> <hr/> <p><b>— Tint Bases:</b> Benjamin Moore<sup>®</sup> Gennex<sup>®</sup> bases 1X, 2X, 3X, &amp; 4X</p> <hr/> <p><b>— Special Colors:</b> Contact your Benjamin Moore representative</p> <hr/> <p><b>Certifications &amp; Qualifications:</b> <b>VOC compliant in all regulated areas</b></p> <p>Master Painters Institute MPI # 16</p> <hr/> <p><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></p>	<table border="1"> <thead> <tr> <th>Technical Data<sup>◇</sup></th> <th>Pastel Base</th> </tr> </thead> <tbody> <tr> <td>Vehicle Type</td> <td>100% Acrylic Latex</td> </tr> <tr> <td>Pigment Type</td> <td>Titanium Dioxide</td> </tr> <tr> <td>Volume Solids</td> <td>32%</td> </tr> <tr> <td>Coverage per Gallon at Recommended Film Thickness</td> <td>200 – 400 Sq. Ft.</td> </tr> <tr> <td>Recommended Film Thickness</td> <td>– Wet 5.3 mils – Dry 1.7 mils</td> </tr> <tr> <td colspan="2">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.</td> </tr> <tr> <td>Dry Time @ 77 °F (25 °C) @ 50% RH</td> <td>– To Touch 1 Hour – To Recoat 3 – 4 Hours</td> </tr> <tr> <td colspan="2">High humidity and cool temperatures will result in longer dry, recoat and service times.</td> </tr> <tr> <td>Dries By</td> <td>Evaporation, Coalescence</td> </tr> <tr> <td>Viscosity</td> <td>108 ± 2 KU</td> </tr> <tr> <td>Flash Point</td> <td>None</td> </tr> <tr> <td>Gloss / Sheen</td> <td>Flat (1 - 5 @ 85°)</td> </tr> <tr> <td>Surface Temperature at Application</td> <td>– Min. 40 °F – Max 100 °F</td> </tr> <tr> <td>Thin With</td> <td>See Chart</td> </tr> <tr> <td>Clean Up Thinner</td> <td>Clean Water</td> </tr> <tr> <td>Weight Per Gallon</td> <td>11.43 lbs</td> </tr> <tr> <td>Storage Temperature</td> <td>– Min. 40 °F – Max 90 °F</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Volatile Organic Compounds (VOC)</b></td> </tr> <tr> <td colspan="2" style="text-align: center;">72.2 Grams/Liter .61 lbs./Gallon</td> </tr> </tbody> </table>	Technical Data <sup>◇</sup>	Pastel Base	Vehicle Type	100% Acrylic Latex	Pigment Type	Titanium Dioxide	Volume Solids	32%	Coverage per Gallon at Recommended Film Thickness	200 – 400 Sq. Ft.	Recommended Film Thickness	– Wet 5.3 mils – Dry 1.7 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.		Dries By	Evaporation, Coalescence	Viscosity	108 ± 2 KU	Flash Point	None	Gloss / Sheen	Flat (1 - 5 @ 85°)	Surface Temperature at Application	– Min. 40 °F – Max 100 °F	Thin With	See Chart	Clean Up Thinner	Clean Water	Weight Per Gallon	11.43 lbs	Storage Temperature	– Min. 40 °F – Max 90 °F	<b>Volatile Organic Compounds (VOC)</b>		72.2 Grams/Liter .61 lbs./Gallon	
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## Surface Preparation

Surfaces to be stained must be clean, dry and free of dirt, mildew, oil or grease. Remove contaminants or chalky residue from weathered painted surfaces by washing with Benjamin Moore® Clean Multi-Purpose Cleaner (N318). Excessive chalk must be removed by power wash equipment. **Note:** Smooth planed clapboards or siding must be sanded thoroughly or treated with Benjamin Moore® Brighten Brightener & Neutralizer (317) to break the “mill glaze” to allow proper penetration and adhesion.

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

**Painted Surfaces:** Remove old scaling or peeling coatings by scraping, wire brushing and sanding. Glossy surfaces must be dulled by sanding. Un-weathered areas such as eaves, ceilings, or overhangs must be washed with a detergent solution and/or rinsed with a strong stream from a garden hose to remove surface salts that can interfere with proper adhesion.

**Caution:** Refer to the 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/Finish:** 1 or 2 coats Arborcoat® Waterborne Ultra Flat Solid Stain (610)

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

**Primer:** Priming usually unnecessary. If light shades are applied to wood with high tannin levels, such as redwood and cedar, 1 coat of Arborcoat® Oil Primer (366) should be used before top coating to prevent bleeding. If unsure, test a small area prior to staining.

**Finish:** 2 coats Arborcoat® Waterborne Ultra Flat Solid Stain (610)

**Stucco and Masonry:**

**Primer:** No priming necessary if the surface is in good condition. Loose, sandy masonry should be hosed down thoroughly to remove surface particles, allowed to dry and primed Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608). New masonry must be cured unless primed with Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608)

**Finish:** 1 or 2 coats Arborcoat® Waterborne Ultra Flat Solid Stain (610)

**Repaint, All Substrates:** Prime bare areas with the primer recommended for the substrate above.

## Application

Mixing of paint: Immediately prior to use, the paint should be mixed thoroughly even though it has been shaken mechanically by the retailer. Preferred application method is by brushing. Roller application should be done only on rough or textured surfaces. 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. Refrain from staining in direct hot sun. Do not apply when air and surface temperatures are below 40 °F (4.4 °C), nor over damp surfaces or during threatening weather.

This product can also be sprayed. The Chart below is for general application guidance.

## Thinning/Cleaning

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:  Max of 8 fl. oz. to a gallon of paint  <b>Never add other paints or solvents.</b>
<b>Roller:</b> Aura® Roller Cover		
<b>Spray:</b> Airless Pressure: 1,500 -25,00 psi Tip: 0.013-0.017		

**Clean Up:** Wash painting tools in warm soapy water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

**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

**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.**