



ben[®]
100% ACRYLIC EXTERIOR
FLAT FINISH K541

Features

- A premium quality 100% acrylic latex flat finish
- Provides a breathable surface for maximum durability
- Low temperature application down to 4.4 °C (40 °F)
- Resistant to peeling and cracking
- Excellent colour retention
- Blister resistant
- Excellent hiding
- Specially formulated to resist mildew growth on the paint film.
- Fast, simple clean up with warm soapy water

Recommended For

For use on primed or previously painted wood, hardboard siding, cured masonry, and unglazed brick.

General Description

A 100% acrylic latex flat house paint designed for application to a wide variety of exterior surfaces such as wood, hardboard, vinyl and aluminum siding, shingles, unglazed brick, concrete, stucco, cinder block, and primed metal. Provides excellent coverage and durability, with easy soap and water cleanup.

Limitations

- Do not apply when air and surface temperatures are below 4.4 °C (40 °F).
- Not for interior use

Product Information

<p>Colours:—Standard: White (01)</p> <p>(May be tinted with up to 2.0 fl. oz. of Benjamin Moore[®] Gennex[®] colorants per 3.79L.)</p>	<table border="1"> <thead> <tr> <th colspan="2">Technical Data[∅]</th> <th>Pastel Base</th> </tr> </thead> <tbody> <tr> <td>Vehicle Type</td> <td></td> <td>100% Acrylic Latex</td> </tr> <tr> <td>Pigment Type</td> <td></td> <td>Titanium Dioxide</td> </tr> <tr> <td>Volume Solids</td> <td></td> <td>34.5%</td> </tr> <tr> <td>Coverage per 3.79 L at</td> <td></td> <td>32.5 – 44.1 sq. m.</td> </tr> <tr> <td>Recommended Film Thickness</td> <td></td> <td>(350-475 sq. ft.)</td> </tr> <tr> <td>Recommended Film Thickness</td> <td>– Wet</td> <td>3.8 mils</td> </tr> <tr> <td></td> <td>– Dry</td> <td>1.3 mils</td> </tr> <tr> <td colspan="3">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.</td> </tr> <tr> <td>Dry Time @ 25 °C (77 °F) @ 50% RH</td> <td>– To Touch</td> <td>1 Hour</td> </tr> <tr> <td></td> <td>– To Recoat</td> <td>4 Hours</td> </tr> <tr> <td colspan="3">High humidity and cool temperatures will result in longer dry, recoat and service times</td> </tr> <tr> <td>Dries By</td> <td></td> <td>Evaporation, Coalescence</td> </tr> <tr> <td>Viscosity (Zahn 2)</td> <td></td> <td>105 ± 3 KU</td> </tr> <tr> <td>Flash Point</td> <td></td> <td>N/A</td> </tr> <tr> <td>Gloss / Sheen</td> <td></td> <td>Flat (2- 3 @ 85°)</td> </tr> <tr> <td>Surface Temperature at Application</td> <td>– Min.</td> <td>4.4 °C (40 °F)</td> </tr> <tr> <td></td> <td>– Max.</td> <td>32.2 °C (90 °F)</td> </tr> <tr> <td>Thin With</td> <td></td> <td>Clean Water</td> </tr> <tr> <td>Clean Up Thinner</td> <td></td> <td>Clean Water</td> </tr> <tr> <td>Weight Per 3.79 L</td> <td></td> <td>5 kg (11 lbs)</td> </tr> <tr> <td>Storage Temperature</td> <td>– Min.</td> <td>4.4 °C (40 °F)</td> </tr> <tr> <td></td> <td>– Max.</td> <td>35 °C (95 °F)</td> </tr> <tr> <td colspan="3" style="text-align: center;">Volatile Organic Compounds (VOC)</td> </tr> <tr> <td colspan="3" style="text-align: center;">44 g/L</td> </tr> </tbody> </table>	Technical Data [∅]		Pastel Base	Vehicle Type		100% Acrylic Latex	Pigment Type		Titanium Dioxide	Volume Solids		34.5%	Coverage per 3.79 L at		32.5 – 44.1 sq. m.	Recommended Film Thickness		(350-475 sq. ft.)	Recommended Film Thickness	– Wet	3.8 mils		– Dry	1.3 mils	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	1 Hour		– To Recoat	4 Hours	High humidity and cool temperatures will result in longer dry, recoat and service times			Dries By		Evaporation, Coalescence	Viscosity (Zahn 2)		105 ± 3 KU	Flash Point		N/A	Gloss / Sheen		Flat (2- 3 @ 85°)	Surface Temperature at Application	– Min.	4.4 °C (40 °F)		– Max.	32.2 °C (90 °F)	Thin With		Clean Water	Clean Up Thinner		Clean Water	Weight Per 3.79 L		5 kg (11 lbs)	Storage Temperature	– Min.	4.4 °C (40 °F)		– Max.	35 °C (95 °F)	Volatile Organic Compounds (VOC)			44 g/L		
Technical Data [∅]		Pastel Base																																																																										
Vehicle Type		100% Acrylic Latex																																																																										
Pigment Type		Titanium Dioxide																																																																										
Volume Solids		34.5%																																																																										
Coverage per 3.79 L at		32.5 – 44.1 sq. m.																																																																										
Recommended Film Thickness		(350-475 sq. ft.)																																																																										
Recommended Film Thickness	– Wet	3.8 mils																																																																										
	– Dry	1.3 mils																																																																										
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	1 Hour																																																																										
	– To Recoat	4 Hours																																																																										
High humidity and cool temperatures will result in longer dry, recoat and service times																																																																												
Dries By		Evaporation, Coalescence																																																																										
Viscosity (Zahn 2)		105 ± 3 KU																																																																										
Flash Point		N/A																																																																										
Gloss / Sheen		Flat (2- 3 @ 85°)																																																																										
Surface Temperature at Application	– Min.	4.4 °C (40 °F)																																																																										
	– Max.	32.2 °C (90 °F)																																																																										
Thin With		Clean Water																																																																										
Clean Up Thinner		Clean Water																																																																										
Weight Per 3.79 L		5 kg (11 lbs)																																																																										
Storage Temperature	– Min.	4.4 °C (40 °F)																																																																										
	– Max.	35 °C (95 °F)																																																																										
Volatile Organic Compounds (VOC)																																																																												
44 g/L																																																																												
<p>—Tint Bases: Benjamin Moore[®] Gennex[®] bases 1X (Pastel), 2X (Medium), 3X (Deep), 4X (Ultra)</p>																																																																												
<p>—Special Colours: Contact your Benjamin Moore representative</p>																																																																												
<p>Certification:</p> <p>VOC compliant in all regulated areas.</p> <p>Master Painters Institute MPI # 10</p>																																																																												
<p>Customer Service Information Centre: 1-800-361-5898, info@benjaminmoore.ca, www.benjaminmoore.ca.</p>																																																																												

[∅]Reported values are for Pastel Base. Contact Benjamin Moore for values of other bases or colours.

Surface Preparation

Surfaces must be clean, dry and free of oil, grease, wax, rust, mildew, chalk and loose or scaling paint. Cement based water proofing paints should be removed. Glossy surfaces must be dulled. Un-weathered areas such as eaves, porch ceilings, overhangs and protected wall areas should be washed with a Benjamin Moore® Clean (K318) and rinsed with a strong stream of water from a garden hose or power washer to remove contaminants that can interfere with proper adhesion. Stains from mildew must be removed by cleaning with Benjamin Moore® Clean (K318) prior to coating the surface. **Caution:** Refer to the (K318) Clean technical data and material safety data sheets for instructions on its proper use and handling.

All masonry surfaces must be power washed or brushed thoroughly with stiff fibre bristles to remove loose particles. New masonry substrates must be allowed to cure for 30 days before priming or painting. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds.

Difficult Substrates: Benjamin Moore offers a number of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore retailer can recommend the right problem-solving primer for your special needs.

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 @ http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked_questions-questions_posees-eng.php.

Primer/Finish Systems

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant colour change is desired. **Special Note:** Certain custom colours require a Deep Colour Base Primer tinted to a special prescription formula to achieve the desired colour. Consult your retailer.

Wood and engineered wood products:

Primer: Fresh Start® High-Hiding All Purpose Primer (K046) or Fresh Start® Multi-Purpose Latex Primer (F023)
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

Bleeding Type Woods, (Redwood and Cedar):

Primer: Fresh Start® Exterior Wood Primer (K094), Fresh Start® Multi-Purpose Oil Based Primer (F024) or 1-2 coats of Fresh Start® High-Hiding All Purpose Primer (K046) may be used
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

Hardboard Siding, Bare or Factory Primed:

Primer: Fresh Start® High-Hiding All Purpose Primer (K046) or Fresh Start® Multi-Purpose Latex Primer (F023)
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

Vinyl & Vinyl Composite Siding:

Note: Ensure that the surface is properly cleaned and in good condition. For colours that are safe for use on these substrates, use approved Vinyl Select colours. For more information, see <http://www.benjaminmoore.com/en-ca/for-contractors/painting-vinyl-and-aluminum-siding>

Primer: Fresh Start® Multi-Purpose Latex Primer (F023)
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

Rough or Pitted Masonry:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (K571)
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

Poured or Pre-cast Concrete and Fibre Cement Siding:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (K608) or Fresh Start® Multi-Purpose Latex Primer (F023)
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

Ferrous Metal (Steel and Iron):

Primer: Ultra Spec HP® Acrylic Metal Primer (FP04) or Super Spec HP® Alkyd Metal Primer (KP06)
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

Non-Ferrous Metal (Galvanized & Aluminum): All new metal surfaces must be thoroughly cleaned with Corotech® Oil & Grease Emulsifier (V600) to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion

Primer: Ultra Spec HP® Acrylic Metal Primer (FP04)
Finish: 1 or 2 coats of ben® Exterior 100% Acrylic Flat Finish (K541)

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

Application

Stir thoroughly before and during use. Apply one or two coats.

Paint Application: For best results, use a premium Benjamin Moore® custom-blended nylon/polyester brush, premium Benjamin Moore® roller, or a similar product. Apply paint generously from unpainted area into wet area. This product can also be sprayed. Refer to the chart below for application recommendations.

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		
Spray: Airless Pressure: 1,500 -2,500 psi Tip: 0.013-0.017		

Clean Up: Clean up with warm soapy water. 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 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.

**KEEP OUT OF REACH OF CHILDREN
 PROTECT FROM FREEZING
 Refer to Safety Data Sheet for additional health
 and safety information.**