



# ben<sup>®</sup> 100% ACRYLIC EXTERIOR FLAT FINISH K541

## Features

- Low temperature application down to 1.7 °C (35 °F)
- Resistant to peeling and cracking
- Excellent hide and colour retention
- Blister resistant
- Resists new mildew formation
- Soap and water clean-up
- 25 Year warranty

## Recommended For

For exterior surfaces such as new or previously painted wood, hardboard siding, cured masonry, and unglazed brick.

## General Description

A premium quality 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 a breathable surface for maximum durability.

## Limitations

- Do not apply when air and surface temperatures are below 1.7 °C (35 °F).
- Not for interior use

## Product Information

### Colours — Standard:

White (01)

(May be tinted with up to 60 ml of Benjamin Moore<sup>®</sup> Gennex<sup>®</sup> colorants per 3.79L.)

### — Tint Bases:

Benjamin Moore<sup>®</sup> Gennex<sup>®</sup> bases 1X, 2X, 3X & 4X

### — Special Colours:

Contact your Benjamin Moore representative

### Certifications & Qualifications:

#### VOC compliant in all regulated areas

Master Painters Institute MPI # 10  
 Water vapor permeance ASTM D1653: 47 perms  
 Wind driven rain ASTM D6904 (1 coat masonry primer/1 coat K541)  
 Early Rain Resistance: 1 ½ – 2 hours after application over wood, primed surfaces or previously painted surfaces (25 °C / 50% RH)  
 - Other surfaces such as hardboard or vinyl may require a longer dry time  
 Passes ASTM D3273 / D3274 Mildew, Mould Resistance Tests (no growth)

### Customer Service Information Centre:

1-800-361-5898, [info@benjaminmoore.ca](mailto:info@benjaminmoore.ca), [www.benjaminmoore.ca](http://www.benjaminmoore.ca).

### Technical Data<sup>∅</sup>

Vehicle Type	100% Acrylic Latex
Pigment Type	Titanium Dioxide
Volume Solids	34.5%

### Pastel Base

Coverage per 3.79 L at Recommended Film Thickness	32.5 – 44.1 sq. m. (350-475 sq. ft.)
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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
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Viscosity (Zahn 2)	105 ± 3 KU
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Flash Point	N/A
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Gloss / Sheen	Flat (0.5 – 2.5 @ 85°)
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Surface Temperature at Application	– Min.	1.7 °C (35 °F)
	– Max.	37.7 °C (100 °F)

Thin With	See Chart
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Clean Up Thinner	Clean Water
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Weight Per 3.79 L	5 kg (11 lbs)
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Storage Temperature	– Min.	4.4 °C (40 °F)
	– Max.	35 °C (95 °F)

### Volatile Organic Compounds (VOC)

44 g/L

<sup>∅</sup>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 @ <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>.

## 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) 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:

In most cases, a primer is not necessary. Only areas of pitted and porous vinyl siding must be primed. In these cases, we recommend Fresh Start® High-Hiding All Purpose Primer (K046), or Fresh Start® Multi-Purpose Latex Primer (F023).

**Colours that are safe for use on vinyl siding –** Do not paint vinyl with any colour darker than the original colour or having a Light Reflective Value (LRV) of less than 55 unless it is in the Benjamin Moore approved Colours for Vinyl palette and complies with the specific vinyl manufacturer guidelines when making the colour selection and painting. Otherwise, the colour will absorb more heat, possibly causing the siding to warp, resulting in additional repairs and expenses.

### 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:** 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:** No primer needed  
**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
<b>Brush:</b> Nylon / Polyester	No thinning necessary	Add <b>K518 Extender</b> or <b>water:</b>  Max of 236 ml to a 3.79 L  <b>Never add other paints or solvents.</b>
<b>Roller:</b> Premium Quality		
<b>Spray: Airless</b> 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.

## 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.  
**WARNING:** This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

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

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