



# ACRYLIC KNOCKDOWN FLAT K343

## Features

- Durable, textured finish
- Low VOC
- Qualifies for LEED®/LEED® v4 credit

## General Description

A high solids latex coating formulated to create a durable, textured finish that provides a uniform appearance in public, commercial and residential building. The high solids formula allows the applicator wide altitude in creating many finished effects. Can be tinted with up to 60 ml of Benjamin Moore® Gennex® colorants per 3.79 L.

## Recommended For

For new construction or remedial work to drywall, plaster, concrete block, poured or pre-cast concrete, and wood in commercial or residential buildings. Typically used in hotels, office areas, schools, restaurants, hospitals and residential construction.

## Limitations

- Do not apply when the surface or air temperatures are below 10 °C (50 °F)
- For interior use only

## Product Information

### Colours — Standard:

White (01)

May be tinted with up to 60 ml per 3.79 L of Benjamin Moore® Gennex® colorant.

### — Tint Bases:

N/A

### — Special Colors:

Contact your Benjamin Moore® retailer.

### Certifications & Qualifications:

#### VOC compliant in all regulated areas

Qualifies for LEED® v4 Credit  
 Qualifies for CHPS low emitting credit  
 (Collaborative for High Performance Schools)  
 CDPH v1 Emission Certified  
 Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84  
 Passed ASTM D3273 for mildew resistance with a rating of 10: No mildew growth after 4 weeks.

### Customer Information Centre:

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

### Technical Data◇

### White

Vehicle Type	Acrylic	
Pigment Type	Titanium Dioxide	
Volume Solids	47.2 ± 1.0%	
Coverage per Gallon at	9.3-18.6 sq. m.	
Recommended Film Thickness	(100 – 200 Sq. Ft.)	
Recommended Film Thickness	– Wet	10.7 mils
	– Dry	5.0 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 @ 25 °C (77 °F) @ 50% RH	– Tack Free	1 Hour
	– To Recoat	4 – 6 Hours
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By	Evaporation	
Viscosity	680 – 730 centipoises / 73 – 76 paste paddle KU	
Flash Point	N/A	
Gloss / Sheen	Flat (4 - 9 @ 85°)	
Surface Temperature at Application	– Min.	10 °C (50 °F)
	– Max.	32 °C (90 °F)
Thin With	Clean Water	
Clean Up Thinner	Warm Soapy Water	
Weight Per Gallon	13.3 lbs.	
Storage Temperature	– Min.	7 °C (45°F)
	– Max.	35 °C (95°F)

### Volatile Organic Compounds (VOC)

45.5 Grams/Litres

◇ Reported values are for White. Contact Benjamin Moore for values of other bases or colors

## Benjamin Moore® Knockdown Flat K343

### Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials and mildew. Remove any peeling or scaling paint, and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust. Spot prime before and after filling nail holes, cracks, and other surface imperfections.

New plaster or masonry surfaces must be allowed to cure (30 days) before applying base coat. Cured plaster should be hard, have a slight sheen and maximum pH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. 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. Remove any powder or loose particles.

**Difficult Substrates:** We offer a variety of specialty primers for use over difficult substrates such as plaster, bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your dealer 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.

#### Wood and Engineered Wood Products:

**Primer:** Fresh Start® Multi-Purpose Latex Primer (F023)

**Finish:** 1 or 2 coats of Knockdown Flat (K343)

#### Bleeding Type Woods (Redwood and Cedar):

**Primer:** Fresh Start® Multi-Purpose Oil Based Primer (F024) or Fresh Start® High-Hiding All Purpose Primer (K046)

**Finish:** 1 or 2 coats of Acrylic Knockdown Flat (K343)

#### Drywall:

**Primer:** Fresh Start® Multi-Purpose Latex Primer (F023)

**Finish:** 1 or 2 coats of Acrylic Knockdown Flat (K343)

#### Plaster:

**Primer:** Fresh Start® Multi-Purpose Latex Primer (F023)

**Finish:** 1 or 2 coats of Acrylic Knockdown Flat (K343)

#### Masonry; Rough or Pitted Masonry:

**Primer:** Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (K571)

**Finish:** 1 or 2 coats of Acrylic Knockdown Flat (K343)

#### Masonry; Smooth Poured or Pre-cast Concrete:

**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 Acrylic Knockdown Flat (K343)

#### Ferrous Metal (Steel & Iron):

**Primer:** Ultra Spec® HP Acrylic Metal Primer (FP04) or Super Spec HP® Alkyd Metal Primer (KP06)

**Finish:** 1 or 2 coats of Acrylic Knockdown Flat (K343)

**Hard Glossy Alkyd Surfaces:** Abrasion by sanding leads to optimum adhesion.

#### Non-Ferrous Metal (Galvanized & Aluminum):

All new metal surfaces must be thoroughly cleaned with an Oil & Grease Emulsifier Corotech® 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 Acrylic Knockdown Flat 343)

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

### Application

Mix thoroughly with slow-speed power drill. Apply by hopper gun or airless gun with air atomizing texturing attachment. Apply base coat by airless spray, reduced with up to 473 ml of water per can of 3.79 L at 8 mils wet. Allow to dry for 4 to 6 hours. Apply spatter coat to desired pattern, then knock down using a 30.5 cm or 60.9 cm flexible blade. Normal working time is 10 to 20 minutes. Do not apply when the surface or air temperatures are below 10 °C (50 °F).

**Spray, Airless:** Tip—.023 - .027 Orifice

### Clean Up

Clean up with warm, soapy water.

### 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.**