



ACRYLIC KNOCK DOWN FLAT 343

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 buildings. The high solids formula allows the applicator a wide variety in creating finished effects. Can be tinted with up to 2 oz. per gallon with Benjamin Moore® Gennex® colorants.

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 50 °F (10 °C)
- For interior use only

Product Information

Colors — Standard:

White (01)

— Tint Bases:

May be tinted with up to 2oz per gallon of Benjamin Moore® Gennex® colorant.

— 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

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data◇

White

Vehicle Type	Acrylic	
Pigment Type	Titanium Dioxide	
Volume Solids	47.2 ± 1.0%	
Coverage per Gallon at 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 @ 77 °F (25 °C) @ 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.	50 °F
	– Max.	90 °F
Thin With	Clean Water	
Clean Up Thinner	Warm Soapy Water	
Weight Per Gallon	13.3 lbs.	
Storage Temperature	– Min.	45 °F
	– Max.	95 °F

Volatile Organic Compounds (VOC)

46 Grams/Liter .38 Lbs./Gallon

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

Benjamin Moore® Knock Down Flat 343

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 contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

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 (N023)

Finish: 1 or 2 coats of Knock Down Flat (343)

Bleeding Type Woods (Redwood and Cedar):

Primer: Fresh Start® Multi-Purpose Oil Based Primer (024) or Fresh Start® High-Hiding All Purpose Primer (046)

Finish: 1 or 2 coats of Acrylic Knock Down Flat (343)

Drywall:

Primer: Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats of Acrylic Knock Down Flat (343)

Plaster:

Primer: Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats of Acrylic Knock Down Flat (343)

Masonry; Rough or Pitted Masonry:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Finish: 1 or 2 coats of Acrylic Knock Down Flat (343)

Masonry; Smooth Poured or Pre-cast Concrete:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608) or Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats of Acrylic Knock Down Flat (343)

Ferrous Metal (Steel & Iron):

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Finish: 1 or 2 coats of Acrylic Knock Down Flat (343)

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 (HP04)

Finish: 1 or 2 coats of Acrylic Knock Down 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 1 pint of water per gallon at 8 mils wet. Allow to dry for 4 to 6 hours. Apply spatter coat to desired pattern, then knock down using 12" or 24" flexible blade. Normal working time is 10 to 20 minutes. Do not apply when the surface or air temperatures are below 50°F (10°C).

Spray, Airless: Tip—0.023 - .027 Orifice

TEST DATA	
Scrub Resistance	ASTM D-2486-2250 Cycles
Washability	Federal Standard 141B, Method 6142 Film Remains Intact at 5,000 Cycles
Stain Resistance	ASTM Method D-1308 – No staining from dirt, oils, food, chemicals or mild acids
Permeability	ASTM D-1653 – 17 Perms
Burning	ASTM E-84 Flame Spread 5 Smoke Development 10 Does not develop toxic fumes
Mildew Resistance	Federal Standard 141B, method 6271 No visual growth

Clean Up

Clean up with warm, soapy 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!

Cancer Hazard. Contains Crystalline Silica that can cause cancer when in respirable form (spray mist or sanding dust).

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

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 "Clean Up".

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

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