



BENWOOD® STAYS CLEAR® ACRYLIC POLYURETHANE FLAT N425

Features

- Does not yellow like solvent based varnishes & polyurethanes.
- Tintable to many decorative shades.
- Quick dry and re-coat.
- Soap and water clean up.

Recommended For

- For commercial and residential applications
- Applicable for new or previously painted, stained, or varnished interior wood surfaces.

General Description

A premium quality product that combines the attributes of acrylic and polyurethane resins to produce a clear flat finish that dries quickly with very little odor. For use on new or previously painted, stained or varnished interior wood surfaces. Stays Clear® Acrylic Polyurethane, Flat should not be used on floors or surfaces that will be subject to heavy abrasion. For optimal finish clarity when applying more than one coat use Stays Clear® Gloss for the initial coats.

Limitations

- Do not apply when air and surface temperatures are below 50 °F (10 °C)
- For use on wood substrates or as a protective topcoat for decorative Faux finishes only
- Not recommended for use on floors

Product Information

Colors — Standard:

Clear (00)

(May be tinted with up to 2.0 fl. oz. Benjamin Moore® Color Preview® or Gennex® colorants per gallon.)

— Tint Bases:

Not available

— Special Colors:

Not available

Certifications & Qualifications:

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

VOC REGION	COMPLIANT
FEDERAL	YES
OTC	YES
OTCII	YES
CARB	YES
CARB07	YES
UTAH	YES
AZMC	YES
SCAQMD	NO

Technical Assistance:

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

Technical Data◇

Flat

Vehicle Type	Acrylic Polyurethane
Pigment Type	None
Volume Solids	32.7%
Coverage per Gallon at Recommended Film Thickness	350 – 450 Sq. Ft.
Recommended Film Thickness	– Wet 4.0 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 color uniformity and minimize the disposal of excess paint.	
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch 1 Hour – To Recoat 2-3 Hours
Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times. Allow final coat to harden 24 hours before subjecting to normal floor traffic.	
Dries By	Evaporation, Coalescence
Viscosity	77 ± 3 KU
Flash Point	None
Gloss / Sheen	Flat (max. 5 @ 60°)
Surface Temperature at Application	– Min. 50 °F – Max 90 °F
Thin With	Clean Water
Clean Up Thinner	Clean Water
Weight Per Gallon	8.8 lbs
Storage Temperature	– Min. 40 °F – Max 90 °F

Volatile Organic Compounds (VOC)

269 Grams/Liter 2.25 lbs./Gallon

◇ Reported values are for Flat.

Surface Preparation

Surfaces to be finished must be free from wax, dirt, grease, dust, and other contaminants. Glossy surfaces must be dulled with sandpaper or synthetic steel wool. **Do not use steel wool loose fibers will cause rusting in the finish coat.**

Note: The application of this or any clear acrylic finish over fresh alkyd coatings may cause yellowing of the basecoat.

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.

Primer/Finish Systems

Raw Wood: New interior wood must be sanded smooth. Use fine sandpaper following the grain of the wood to achieve a smooth finish. Stays Clear® may be used as both the sealer and finish on raw wood. Allow sufficient dry time before sanding lightly and applying topcoats.

Sealer: 1 coat Stays Clear® Acrylic Polyurethane

Finish: 1-2 or more coats Stays Clear® Acrylic Polyurethane

Old Finishes: Do not apply over sealers containing silicones, wax, or stearate. Remove old finishes which are chipping, peeling, or in otherwise poor condition. Remove any and all old finishes containing wax or stearate. Other finishes in good condition must be sanded lightly with fine sandpaper until smooth. Surfaces requiring complete restoration must have the finish removed by either power sanding or use of paint and varnish remover, then treated as new surface.

Application

Stir thoroughly before and occasionally during use to ensure a uniform sheen.

Brush: Apply as received in the container with a good quality synthetic brush or painting pad. Apply along grain of the wood in thin, even, uniform coats. Keep a wet-edge during application and avoid working back into partially dry areas.

Roller: Large smooth surfaces can be coated using a short-nap roller in thin, even, uniform coats. Keep a wet-edge during application and avoid working back into partially dry areas.

Spray, Airless: Fluid Pressure —1,500 to 2,000 PSI;

Tip —.011 - .015 Orifice;

Allow a minimum of 2-3 hours dry; then sand lightly with the grain, before recoating. For optimal performance a minimum of two coats are required for furniture or trim.

Thinning/Cleanup

Do not thin; thinning will reduce the sealing ability of this product. Do not add other paints or solvents. 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

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.**