



BENWOOD®

INTERIOR WOOD FINISHES

POLYURETHANE HIGH GLOSS N428

Features

- Extremely tough and serviceable
- Easy to apply
- Resistant to abrasion, hot water, alcohol, food acids, and common solvents.

General Description

An extremely durable polyurethane clear coating. Also available in Flat (N424) and Low Lustre (N435).

Recommended For

For interior wood surfaces such as unfinished or previously finished doors, trim, cabinets, paneling, residential and gymnasium floors, benches, furniture, tabletops and bars

Limitations

- Do not apply when air and surface temperatures are below 60°F (15.5°C)

Product Information

Colors — Standard:

Clear

— Tint Bases:

Not available

— Special Colors:

Contact your Benjamin Moore representative

Certification:

VOC Compliant in all regulated areas except the South Coast and areas of California that follow the 2007 Suggested Control Measures.

Master Painters Institute MPI #56

Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84

Technical Assistance

Available through your local authorized independent Benjamin Moore® retailer. For the location of the retailer nearest you, call 1-800-826-2623, see www.benjaminmoore.com, or consult your local Yellow Pages.

Technical Data◇

High Gloss

Vehicle Type	Urethane
Pigment Type	None
Volume Solids	56.7%

Coverage per Gallon at Recommended Film Thickness	500 – 600 Sq. Ft.
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Recommended Film Thickness	– Wet	2.9 mils
	– Dry	1.6 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	3 Hours
	– To Recoat	Overnight

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, Oxidation
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Viscosity	57 – 63 KU
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Flash Point	Combustible
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Gloss / Sheen	High Gloss
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Surface Temperature at Application	– Min.	60°F
	– Max.	90°F

Thin With	Do Not Thin
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Clean Up Thinner	Mineral Spirits
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Weight Per Gallon	7.8 lbs
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Storage Temperature	– Min.	40°F
	– Max.	90°F

Volatile Organic Compounds (VOC)

348 Grams/Liter 2.90 lbs./Gallon

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

Surface Preparation

Wood, New (Stained or Un-Stained): All surfaces must be dry and sanded smooth, and free of dirt, dust, or grit. All nail holes, cracks, and blemishes should be repaired after staining, and filler tinted to match color of the stain. Open grained woods such as oak or mahogany that will be subject to water or liquid spills should be filled with Benwood® Interior Wood Finishes Wood Grain Filler (238) according to label instructions. Apply Benwood® Interior Wood Finishes Waterborne Wood Stain (205) as needed.

Finish: 2 coats Benwood® Interior Wood Finishes Polyurethane Finish (Sand lightly between coats after overnight dry.)

Wood, Re-stain: Surfaces that have been treated with wax or oily surface restoration liquids must be thoroughly cleaned with appropriate solvents. Periodically change to clean wiping cloths to avoid redistribution of residue. Special attention should be given to removal of black heel marks on floors. Flaking or scaling coatings must be removed by scraping and sanding with fine grit sandpaper. To assure adhesion, glossy surfaces must be dulled with fine grade steel wool or sandpaper. 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. Apply Benwood® Interior Wood Finishes Waterborne Wood Stain (205) as needed.

Finish: 2 coats Benwood® Interior Wood Finishes Polyurethane Finish (Sand lightly between coats after overnight dry.)

Allow final coat to harden for 24 hours before subjecting to normal floor traffic.

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.

Application

Stir thoroughly and apply as received in the container with a good quality synthetic or china bristle brush, a short nap roller, or an application pad.

Allow overnight dry; then sand lightly, rubbing with the grain, before recoating. For maximum wear, two coats are advisable. Allow final coat to harden for 24 hours before subjecting to normal floor traffic.

Spray, Airless: Fluid Pressure — 1,500 – 2500 PSI;

Tip .011 - .013 Orifice

Thinning/Cleanup

Do not thin.

USE COMPLETELY OR DISPOSE OF PROPERLY. This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. Dry, empty containers may be recycled in a can recycling program. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.**

DANGER: RAGS, STEEL WOOL, OR WASTE SOAKED WITH THIS PRODUCT OR CLEANING SOLVENTS MAY SPONTANEOUSLY CATCH FIRE IF IMPROPERLY DISCARDED. IMMEDIATELY AFTER USE, PLACE RAGS, STEEL WOOL, OR WASTE IN A SEALED WATER-FILLED METAL CONTAINER.

Environmental, Health & Safety Information

DANGER! COMBUSTIBLE LIQUID AND VAPOR

VAPOR HARMFUL

Contains: Petroleum Distillates

HARMFUL OR FATAL IF SWALLOWED. CAUSES IRRITATION TO EYES, SKIN AND RESPIRATORY TRACT

NOTICE: Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Keep away from heat and flame. **Use only with adequate ventilation.** Do not breathe vapors, spray mist or sanding dust. Avoid contact with eyes and prolonged or repeated contact with skin. Wear eye protection and gloves. To avoid breathing vapors or spray mist open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness increase fresh air or wear a properly fitted vapor/particulate NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use.

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

FIRST AID: If affected by inhalation of vapors or spray mist, remove to fresh air. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and call physician; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Get medical attention immediately.

IN CASE OF: FIRE — Use foam, CO₂, dry chemical, or water fog.

SPILL — Absorb with inert material and dispose of as specified under “Clean Up”.

KEEP OUT OF REACH OF CHILDREN

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