



BENJAMIN MOORE®
ALKYD SEMI SOLID Stain 329/C329

Features

- Provides protection and color without completely obscuring the grain or texture of the wood
- May be applied to new, pressure treated lumber
- A water repellent coating
- Formulated to penetrate, protect, and beautify wood decking, siding, fencing, shingles and furniture
- Scuff resistant
- Specially formulated to resist mildew growth on the stain film

General Description

A premium quality semi solid stain formulated to penetrate and protect wood, resist abrasion, and beautify wood decking, siding, fencing, shingles and furniture. Semi Solid stain uses the maximum amount of pigment without completely obscuring the grain and texture of the wood.

Recommended For:

Residential or commercial applications where a premium quality finish is desired.
 Can be used on new pressure treated wood.

Limitations:

- Do not apply when air and surface temperatures are below 50° F (10° C), nor over damp surfaces or during threatening weather.
- Not recommended for use on abraded or brushed plywood, or on previously painted wood unless previous coating has been completely removed.

Product Information

Colors: —Standard:
 Not available

—Tint Bases:
 Clear Tint Base

—Special Colors:
 Contact your Benjamin Moore & Co. representative

Certification:

Formulated without lead or mercury
 Formulated with non-photochemically reactive solvent

Federal Specifications Generic Equivalent

Meets Federal Specification TT-S-708A as a water repellent wood preservative.

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

		Clear Tint Base
Vehicle Type		Linseed
Pigment Type [◇]		none
Volume Solids [◇]	329 36%	C329 56%
Theoretical Coverage At Recommended Film Thickness		300 – 400 Sq. Ft.
<i>Depending on surface texture and porosity. Be sure to estimate the right amount of stain for the job. This will ensure color uniformity and minimize the disposal of excess stain.</i>		
Film Thickness – Wet		Penetrating
– Dry		Minimal
<i>Varies with porosity and texture of substrate.</i>		
Dry Time @ 77° F (25° C) @ 50% RH	— Set To Touch	6 Hours
	— To Recoat	16 Hours
	— To Hard Dry	24 to 48 Hours
<i>Allow a 48 hour dry time before furniture placement on decks. High humidity or cooler temperatures may prolong drying time.</i>		
Dries By		Evaporation, Oxidation
Viscosity [◇]		< 50 KU
Flash Point (Seta)	Combustible @ 103° F	C329 Combustible @ 103° F
60° Specular Gloss		Flat
Surface Temperature at application – Min.		50° F
– Max.		90° F
Thin With*		Do Not Thin
Clean Up Thinner		Mineral Spirits
Weight Per Gallon [◇]	329 7.27 lbs.	C329 9.24 lbs.
Storage Temperature	– Min.	40° F
	– Max.	90° F
Volatile Organic Compounds (VOC) 329 Unthinned,	Volatile Organic Compounds (VOC) C329 Unthinned,	
not to exceed 550 Grams/Liter.**	not to exceed 250 Grams/Liter.**	

*Thinning of this product may make it non-compliant under normal environmental and application conditions in VOC regulated areas. Local authorities should be consulted for updated regulations.
 ** Contact Benjamin Moore & Co. for actual levels, which may or may not be substantially less than stated. The specifier should be aware that a number of jurisdictions in the USA now regulate the VOC content of coatings.
[◇] Values given are for color shown; other colors may vary.

TDS329/C329B

Alkyd Semi Solid Stain (329/C329)

Surface Preparation

Surfaces to be stained must be clean, dry, and free of dirt, mildew, oil, or grease. Remove contaminants or chalky residue from weathered stained surfaces by washing with BENJAMIN MOORE® CLEAN Multi-Purpose Cleaner (318). Previously painted, stained, or sealed wood can be restored by sanding or using BENJAMIN MOORE® REMOVE Finish Remover (315). For best results, completely remove previous stain or coating.

NOTE: Smooth planed lumber, clapboards, or siding must be sanded thoroughly or treated with BENJAMIN MOORE® BRIGHTEN Brightener & Neutralizer (317) to break the "mill glaze" to allow proper penetration and adhesion.

Weathered Wood and Mildew: Prior to staining, weathered wood must be sanded or treated with BENJAMIN MOORE® RESTORE for Gray & Weathered Wood (316), following directions, until loose or damaged wood fibers are removed. If mildew is evident, it must be removed by scrubbing with BENJAMIN MOORE® RESTORE for Gray & Weathered Wood (316) prior to staining or it will continue to grow through the fresh coating. If mildew is widespread, the use of power wash spray equipment is suggested. Particular attention should be paid to overhead surfaces such as eaves and porch ceilings.

Unweathered areas such as eaves, ceilings, or overhangs must be washed with BENJAMIN MOORE® CLEAN Multi-Purpose Cleaner (318) and/or rinsed with a strong stream from a garden hose to remove surface salts that can interfere with proper adhesion.

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

Mixing of Stain: Stain pigments do not remain in suspension as in most other types of coatings. It is important that immediately prior to use, the stain be thoroughly mixed even though it has been given a mechanical shaking by the retailer. During use, stir periodically to retain uniformity of color. Prior to staining, ensure having enough stain boxed or mixed to complete an entire section. This practice is important with standard as well as custom blended colors.

Preferred method on siding and deck is by brushing. For premium performance, use a BENJAMIN MOORE® custom-blended bristle/polyester brush, BENJAMIN MOORE® roller, or a similar product. This product can also be sprayed. Roller application should be done only on rough or textured surfaces. Back-brushing is recommended with roller or spray application.

Remove any excess amount of stain for best appearance & durability.

On smooth siding and deck only 1 coat is recommended. On rough siding 2 coats, wet on wet, are recommended. Remove any excess amount of stain for best appearance and durability. To minimize lapping, always maintain a wet edge. On horizontal siding apply the stain on a section of 2 or 3 boards completely across the house. Lower the ladder and continue in the same manner until the side is completed. Vertical siding is coated using the same principle from top to bottom. Never stop staining in mid-wall; continue until a natural break is reached, such as a window. On decks apply stain only a few boards at a time keeping the leading edge "wet."

Refrain from staining in direct hot sun. Do not apply when air and surface temperatures are below 50° F (10° C), nor over damp surfaces or during threatening weather.

Spray, Airless: Fluid Pressure—1,500 to 2,000 PSI;
Tip—.013 Orifice; Filter—100 mesh

Thinning/Cleanup

Do not thin. Clean up with mineral spirits.

Storage: Store in original container. Close container after each use.

Disposal: Do not reuse empty container. Rinse container thoroughly, securely wrap in several layers of newspaper, and discard in trash.

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 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

Contains: Petroleum Distillates

HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD.
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. Product can accumulate static charges which can produce an incendiary electrical discharge. Empty containers retain product residue which can ignite. **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. Aspiration Hazard. Small amounts aspirated into the respiratory system may cause mild to severe pulmonary injury. 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.

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.

