



DRY ERASE



MONOPOLE INC.
Manufacturer of
U.S. SPECIALTY COATINGS

MONOCHEM DRY ERASE is a 2-component aliphatic polyurethane that creates a dry erase environment for interior or exterior surfaces. It allows almost any surface to be converted into a high performance erasable canvas. It is a GREEN/universally compliant coating that is USDA approved and has no hazardous air pollutants. **DRY ERASE** is available in gloss, clear or can be pigmented to any color.

COMMON USES:

DRY ERASE is ideal for most drywall, masonite, wood, concrete, cement and prepared metal surfaces. It can replace old chalkboards, whiteboards and be applied directly to walls. **DRY ERASE** is recommended for a variety of environments like schools, offices, board/conference rooms, children bedroom walls, warehouses, cafeterias, gymnasiums, homes and commercial kitchens.

FEATURES:

- Universally Compliant
- CA Section 01350 Compliant - Qualifies for LEED IAQ Credits
- Low Odor/ Zero HAP's
- Very Low VOC, USDA Compliant
- Superior Cleanability and Stain Resistance
- Top Tier Chemical Resistance
- Outstanding Hardness, Durability and Abrasion Resistance
- Can be Pigmented to Any Color

Product Qualifications / Approvals	
Cal Green	Yes
OTC (Industrial Maintenance)	Yes
SCAQMD (Industrial Maintenance)	Yes
CARB (Industrial Maintenance)	Yes
LEED (New Construction)	Yes
LEED (New Schools / CHPS)	Yes

SURFACE PREPARATION:

Concrete, Masonry, Drywall, Plaster, Cement Materials: All surfaces must be dry (<15% moisture) and cured for a minimum of 28 days. All adhesion affecting contaminants like dust, dirt, grease, oils, efflorescence, release agents, curing compounds etc. must be completely removed prior to product application. All cracks and holes larger than 1/16" need to be patched with a paintable filler prior to product application.

*Drywall Surfaces: Must be previously painted or have a PVA primer (ex. **KNOCK-OUT** applied. Recommended only for drywall surfaces Level 4 and above.

Glossy Surfaces, Wood, Glazed Tiles, Plastics, Metal, Porcelain, Formica, & Fiberglass: These surfaces must be sanded throughly and primed with **MONOBOND** (can be pigmented to lighter colors) or **MONOCHEM 21** ("stick to anything primer"). **MONOCHEM 21** has an amber hue to it. If this is an issue just pigment the **MONOCHEM DRY ERASE** to any desired color to hide this effect. Conduct a thorough adhesion test prior to application.

TECHNICAL DATA:

Composition: 2-Part Aliphatic Polyurethane

VOC, ASTM D3960: < 5 g/L

Solids by Weight: Clear-54% ±2; White Base: 58% ±2

Solids by Volume: 51-55%

Weight: Qt Kit: 3 Lbs; 1-Gallon Kit: 10 Lbs

Finish @60°: Gloss-85-90°

Pot Life: 1-2 Hours

Mixed Viscosity @75°F: 85-90 Kus

Coverage: 260-400 Sq. Ft per Gallon

Recommended Dry Mils: 2 - 3; Wet Mils: 3 - 5

Shelf Life: 1.5 Years

Dry Time: Recoat:4-6 Hours; Dry Hard: 2 Days

Marker Exposure: 5-7 days

Scrub Resistance, ASTM D2486: 7,500+

Painted Surfaces: Allow all latex base color coats to dry for 24 hours minimum before top coating. Existing 2-component coatings (ex. epoxies, polyurethanes, etc.) may require abrasion or priming with **MONOBOND** or **MONOCHEM 21** prior to product application.

Metals: Non-Corrosive Metals (Galvanized, Aluminum, Stainless Steel, etc.): Remove all oils or films with a neutral detergent or emulsion cleaner. Blast lightly with fine abrasives or conduct a light etching, and coat within 3 hours to avoid oxidation.

Corrosive Metals: Remove all the loose rust, dirt, grease or other contaminants by one of the following depending on the degree of cleanliness required. Blast SSOC-SP3; SSPC-SP2; SSPC-SP6; SSPC-SP7. Blast lightly with fine abrasives or conduct a light etching, and apply a rust inhibitive primer like **MONOBOND RI** prior to **DRY ERASE**.

MIXING:

Stir the Part A thoroughly by itself (do not stir Part B by itself). Then pour Part B into Part A and mix thoroughly until the coating is uniform in color (~2-3 minutes). Proceed with the application immediately after mixing.

POT LIFE:

One to two hours after mixing. Discard materials not applied within the recommended pot life period.

Apply in a well ventilated area. When sufficient ventilation is not available make sure to use respirators and the proper personal protective equipment.

APPLICATION:

- Apply only when air and surface temperatures are between 50-90°F (10-32°C) and the relative humidity is below 85%.
- Apply the recommended primer if needed. A primer is not

needed for existing surfaces previously coated with a latex paint.

- Note: A continuous application will ensure a smooth and level coat that is free of lines and streaking. Applications should not be stopped part way across an area and completed later.
- Two coats of **DRY ERASE** are required over white or light colored surfaces. Three coats are recommended over darker surfaces to achieve hide.
- The recommended coverage rate is between 250-375 sq/ft/gallon depending on surface porosity, yielding 3-5 wet mils per coat. Do not exceed six (6) wet mils per coat to prevent hazing or micro bubbling from occurring.
- To obtain proper adhesion between coats it is imperative that re-coating be done within 4-6 hours. Do not exceed 16-20 hours between coats or sanding may be required.
- Allow **DRY ERASE** to cure for a minimum of 5-7 days before applying any markings. Once fully cured, **DRY ERASE** markers may be applied to the surface and then wiped off with an eraser or lint-free cloth.
- For best results use good quality roller, brush or airless sprayer. Always apply a test patch prior to application to ensure the desired appearance and performance.

DRY ERASE MARKER REMOVAL:

- Use standard dry erasers or non-abrasive cloths to wipe dry erase markings until they are completely removed.
- For tough to remove dry erase markings the following cleaners can be used: Expo White Board Cleaner, Windex Crystal Rain Clear, or D-limonene cleaning wipes (ex. by Tub O' Towels).
- Tough markings can also be removed by doing the following:
 - Spray Citrus Clean Super (9800) directly on the surface defacement and allow 2 minutes of dwell time. Do not allow the cleaner to dry.
 - Gently agitate with a stiff bristle nylon brush or nylon scour pad working the cleaner into the surface. Spray more cleaning solution to maintain a wet surface and to remove the dissolved defacement.
 - If the removal is incomplete and exposed to water, allow the water on the surface to fully dry for 1-2 hours (wipe the surface dry) before repeating the above steps.
 - Do not allow the Citrus Clean super or run downs to dry on the surface.

STANDARD DRY TIME:

- Pot Life: 1-2 hours
- Dry-To-Touch: 4-6 hours
- Re-coat Time: 4-6 hours
- Maximum Re-Coat Time: 16-20 hours
(After 16-20 hours, abrading or sanding the surface will be required)
- Dry Erase Exposure: 5-7 days
- Full Cure: 5-7 days

SHELF LIFE:

DRY ERASE has a one-year shelf-life in an unopened container stored at room temperature.

CLEAN-UP:

Clean brushes, hands and tools immediately with soap and water while the material is still wet.

PACKAGING:

DRY ERASE is available in clear or white quart & gallon sized kits.

Gloss

- Clear Quart Kit: #5670-28oz (20oz Part A & 8oz Part B)
- Clear Gallon Kit: #5670-01 (80oz Part A & 32oz Part B)
- White Quart Kit: #5660-31oz (23oz Part A & 8oz Part B)
- White Gallon Kit: #5660-01 (86oz Part A & 32oz Part B)

Warning: Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling, exposure to lead or other hazardous substances requires the use of proper protective equipment, such as properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD or contact your local health authority.

WARRANTY INFORMATION: Monopole Inc. warrants the **DRY ERASE** for a 10-year period as long as the substrate, application and cleaning methods meet the guidelines. For the duration of the 10-year warranty no additional coats of **DRY ERASE** will need to be applied.

WARRANTY INFORMATION: MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. But it is the end users responsibility to thoroughly test the product in the specific application to determine its performance efficacy and safety. Since use of this product is beyond our control, Monopole, Inc. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specific written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE specifically disclaims any other expressed or implied warranty, including the warranty of merchantability and fitness for use. The exclusive remedy and MONOPOLE's sole liability for breach of warranty is limited to a refund of the purchase price or replacement of product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages. Under no circumstance will MONOPOLE pay labor charges.