

Guide Specifications for Designers and Specifiers: This document specifies IdeaPaint™ CREATE White Dry Erase Coating, and is provided for your use in CSI 3-Part Format. For further assistance, email csr@dundasmatheson.com or visit <http://www.ideapaint.ca/installation-specs>.



SECTION 099737 / DRY ERASE COATING
(IdeaPaint™ CREATE White)

GENERAL

1. SECTION INCLUDES
 - A. This Section specifies field-applied dry erase coatings including surface preparation and primer.
2. RELATED SECTIONS
 - A. Section 092116 - Gypsum Board Assemblies; gypsum board substrate.
 - B. Section 101100 - Visual Display Surfaces; whiteboard and chalkboard substrates.
3. SUBMITTALS
 - A. Comply with Division 1 Section: Submittals.
 - B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - I. Preparation instructions and recommendations.
 - II. Storage and handling requirements and recommendations.
 - III. Installation methods.
 - C. Maintenance Instructions: Provide precautions against cleaning materials and methods that may be detrimental to finish and performance.
 - D. Samples: Submit verification sample of specified color on manufacturer's standard sample card.
4. QUALITY ASSURANCE
 - A. Manufacturer Qualifications: Minimum 3 years manufacturing dry erase coatings.
 - B. Mock-ups: Prepare mock-ups for Architect's review and to establish requirements for substrate finish and final coating application, texture and color.
 - I. Install dry erase coatings mock-up in area designated by Architect.
 - II. Correct areas, modify method of application/installation, or adjust finish texture as directed by Architect to comply with specified requirements.
 - III. Maintain mock-ups accessible to serve as a standard of quality for this Section.
 4. Accepted mock-ups may remain in place.
 - C. Sustainable Design:
 - I. Indoor Air Quality: UL GREENGUARD Gold Certified product.
 - II. USGBC LEED IEQ Credit 4.2 for Low-Emitting Materials - Paints and Coatings
 - a. Compliance achieved using 150 g/l VOC content threshold.
 - b. Provide coating meeting SCAQMD Rule 1113 Section (c)(1) requirements, default limit of 250g/l VOC.
 - c. Compliance achieved using CA 01350 indoor air emissions.
 - d. Compliance achieved using USGBC VOC Budget Methodology for low-emitting materials.

5. DELIVERY, STORAGE, AND HANDLING
 - A. Deliver materials in original factory wrappings and containers, clearly labeled with manufacturer, product name, and fire hazard classification.
 - B. Store materials in original undamaged packages and containers inside a well - ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity. Store at temperatures above 40 degrees F. Do not allow product to freeze.
6. PROJECT CONDITIONS
 - A. Maintain ambient temperature not less than 50 deg F minimum and 85 deg F maximum 72 hours prior to beginning of installation.
 - I. Do not install dry erase coatings unless substrate temperature is above 60 degrees F.
 - II. Do not install dry erase coatings until the space is enclosed and weatherproof.
 - III. Do not install dry erase coatings until temperature is stabilized and permanent lighting is in place.
7. WARRANTY
 - A. Warranty: Manufacturer's 10 year limited material warranty.

PRODUCTS

1. MANUFACTURER
 - A. Manufacturer: IdeaPaint, 40 Broad Street, 1st Floor, Boston, MA 02109, telephone 617-714-1050, fax 617-714-1080, website www.ideapaint.com.
2. PRODUCTS
 - A. Dry Erase Coating: CREATE by IdeaPaint, providing a surface suitable for use of dry erase markers.
 - I. Color: Manufacturer's standard color as follows:
 - a. Color: White.
 - b. Color: Specialty and Custom color as selected.
 - II. Fire Rating (ASTM E84): Class A, flame spread index 10, smoke developed index 20.
 - III. VOC (EPA Method 24): 18 g/L Part A and B mixed, 1.4 g/L Part A only, 97 g/L Part B only.
 - IV. Solids: 98 percent Part A, 40 percent Part B.
 - V. Density: 12.18 lbs/gal Part A, 8.14 lbs/gal Part B.
 - VI. Opacity/Hiding Power (ASTM D2805): 98.3 percent.
 - VII. Sag Resistance (ASTM D4400 Method 6.5.6): 4.8.
 - VIII. Flow and Leveling (ASTM D2801): 6.
 - IX. Crack Resistance (ASTM D522): 29 percent.
 - X. Finish/Gloss (ASTM D523) on Dry Wall Board:
 - a. 20 degrees: 22.4.
 - b. 60 degrees: 66.0.
 - c. 85 degrees: 66.8.
 - XI. Scrub Resistance (ASTM D2486): Greater than 11,100 cycles.
 - XII. Stain Removal/Washability (ASTM D3450): 94.9 percent.

- XIII. Flashpoint (ASTM D92 Open Cup): Greater than 200 degrees F Part A, greater than 200 degrees F Part B.
- XIV. QUV (following 500 hours of exposure, samples prepared on Kilz primed drywall)
Control panel: L = 96.74, a = -1.02, b = 2.14. Test panel: L = 96.27, a = -1.44, b = 4.04. Delta E = 2.00.
- XV. Chemistry Type: A non isocyanate based coating.
- B. Primer: IdeaPaint PRIMER, Sherwin-Williams Multi-Purpose, PPG Seal Grip, Glidden Gripper or Kilz Premium. Visit <http://learn.ideapaint.com/preferred-products> for a complete list of primers.
 - I. Priming is required over stained surfaces for optimal hiding power, such as stained whiteboards or stained chalkboards.
 - II. Priming is required for surface color changes for optimal hiding power of original surface color.
 - III. Priming is required over new drywall, plastic, aluminum, steel (galvanized and ungalvanized), and vinyl.
- C. Roller Covers: Provided by manufacturer. No substitutions.

EXECUTION

- 1. EXAMINATION
 - A. Examine areas and conditions in which dry erase coatings will be installed.
 - I. Complete finishing operations, including painting, before beginning installation of dry erase coatings.
 - II. Wall surfaces to receive dry erase coatings shall be dry and free from dirt, grease, loose paint, and scale.
 - III. Do not proceed with installations until unsatisfactory conditions have been corrected.
- 2. SURFACE PREPARATION
 - A. Remove hardware, accessories, plates and similar items to allow dry erase coatings to be installed.
 - B. Repair damaged areas by filling voids with spackle. Sand smooth repaired or textured surfaces. Scuff glossy and non-porous surfaces using medium grit sandpaper. Paint product is a high gloss coating; imperfections and visible seams will telegraph.
 - C. Plaster Surface: Remove surface chalk. In new work use moisture meter to determine moisture content. Do not begin installation when moisture content of the surface to be painted is greater than 5 percent.
 - D. Gypsum Board Surface: Provide Level 4 finish per ASTM C840 and GA-214. Recess nails and screws. Repair irregular tape joints, sand and remove dust.
 - E. Previously Painted Surface: To have opaque White or Black applied, remove loose paint or scale. Sand surface of enamel or gloss paint. Remove dust with tack cloth or denatured alcohol prior to priming.
 - F. Prime (if applicable): Prime substrate using materials recommended by manufacturer if changing color of the surface, if covering a stained surface, or if applying on new

drywall. Follow manufacturer's application, dry time, and recoat instructions prior to proceeding.

- I. Changing color of the surface: Prime surface until the color of the existing surface does not show through.
 - II. Covering stained surface: Prime surface until undesired marks and stains do not show through.
 - G. Clean: Wipe surface with a clean, damp cloth to remove dust and environmental debris. Allow surface to completely dry.
 - H. Ventilate area thoroughly to aid in curing process and to dissipate mild odor. Allow a high percentage of outside air into current ventilation.
3. APPLICATION
- A. Comply with manufacturers printed installation instructions. Mix components in strict accordance with manufacturer's instructions. Pot life is 1 hour maximum.
 - B. Apply dry erase coating with specified roller only. Comply with the following:
 - I. Apply heavy single coat only, using 2 layer method as described. Do not recoat or touch up applied coating once 10 minute return time has passed.
 - II. Divide your entire planned surface into areas up to 50 square feet.
 - III. Use a 4 inch foam roller to cut in all edges and light switches within the current area.
 - IV. Using the included 9 inch roller, from one end of the current area to the other, apply in sections up to 4 feet wide by the full height of the surface.
 - V. Be sure to overlap the edges of each section and use a backrolling technique as you go to even out the application.
 - VI. Watch for roller marks, drip marks, debris and missed spots, re-roll as needed.
 - VII. Every 50 square feet or 3-5 minutes, return to the first section of the area you have just finished and apply the second layer using the same method detailed above. This helps to build up a thick and effective IdeaPaint surface.
 - VIII. Do not wait more than 10 minutes to perform the second layer over the first.
 - IX. Remove masking tape within 1 hour of painting.
 - C. Dry erase coating may be applied directly onto clean, dry, smooth surfaces which are:
 - I. A finished drywall surface
 - II. A latex-based topcoat
 - D. Coating shall cure for a minimum of 4 days after application before use.
 - E. Application Rate: 5 mils wet film thickness as measured with a wet film gauge; maximum 50 square feet per quart or 200 square feet per gallon.
4. CLEANING AND MAINTENANCE
- A. Regular erasing and cleaning should be done with a standard dry erase eraser or a dry microfiber towel. For more thorough cleaning, a damp microfiber towel may be used or IdeaPaint Cleaner. If damaged, the original surface shall be deglossed by sanding surface and priming before recoating.
5. PROTECTION
- A. Protect installed product and finished surfaces from damage during construction.

END OF SECTION. REV 10/16/15.