

Guide Specifications for Designers and Specifiers: This document specifies IdeaPaint™ PRO 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™ PRO)

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. Fire Performance Characteristics: Comply with fire performance characteristics indicated below. Identify components with markings from testing and inspection organization.
 - I. ASTM E-84 (Fuel Contribution) - Class A, flame spread 5, smoke developed 0.
 - B. Manufacturer Qualifications: Minimum 3 years manufacturing dry erase coatings.
 - C. 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.
 - IV. Accepted mock-ups may remain in place.
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 68 deg F minimum and 85 deg F maximum 72 hours prior to beginning of installation.
 - I. Do not install dry erase coatings until the space is enclosed and weatherproof.
 - II. Do not install dry erase coatings until temperature is stabilized and permanent lighting is in place.
7. WARRANTY
- A. Manufacturer's limited lifetime material warranty.
8. MANUFACTURER
- A. Manufacturer: IdeaPaint, 40 Broad Street, 1st Floor, Boston, MA 02109, telephone 617-714-1050, fax 617-714-1078, website www.ideapaint.com.

PRODUCTS

1. Dry Erase Coating: IdeaPaint™ PRO, 2-part, solvent-based coating by IdeaPaint, providing a surface suitable for use of dry eraser markers.
 - A. Color: Manufacturer's standard color as follows:
 - I. Color: White.
 - II. Color: White sand.
 - III. Color: Light gray.
 - IV. Color: Custom color as selected.
 - B. VOC (EPA Method 24 or ASTM D3960): 325 g/L.
 - C. Coverage: 1 quart per 50 sf (4.6 sq. m).
 - D. Density (mixed) (ASTM D1475) 10.37 lbs/gal.
 - E. Opacity/Hiding Power (ASTM D2805): 96%.
 - F. Sag Resistance (ASTM D4400): 8.
 - G. Flow and Leveling (ASTM D2801): 10.
 - H. Crack Resistance (ASTM D522): 21%.
 - I. Finish/Gloss (ASTM D523) on Dry Wall board:
 - I. 20 degrees: 26.6
 - II. 60 degrees: 71.0
 - III. 85 degrees: 68.0
 - J. Scrub Resistance (ASTM D2486): Breakthrough at 15,600 Cycles.
 - K. Stain Removal/Washability (ASTM D3450): >99.55%.
 - L. QUV (ASTM D4587) Status after 500 hours:
 - I. White Board: Brightness for White Board QUV = 91.44, DE = 2.01.
Observation: Not as blue, acceptable; performance acceptable.

- II. Black Board: Brightness for Black Board QUV =91.73, DE = 1.86.
Observation: Not as blue, acceptable; performance acceptable.
 - M. Thermal: KCMA ANSI-A161.1-1995 Method 9.2, 26 cycle no cracking observed.
 - N. Flashpoint (open cup) (ASTM D92): 80 degrees F (26.7 C).
 - O. Flammability Limit: ASTM E682, lower flammability limit 1.69 percent at 212 degrees F (100 degrees C); upper flammability limit greater than 9.44 percent at 212 degrees F (100 degrees C).
 - P. Fire Rating (ASTM E84): Flame 5, Smoke 0 or Class 1 or Class A.
2. 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.
 3. Roller Covers: 9 inch wide FoamPro roller cover by FoamPro. 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. PREPARATION

- A. Surface Preparation: Remove hardware, accessories, plates and similar items to allow dry erase coatings to be installed.
 - I. 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.
 - II. Plaster Surface: Remove surface chalk. In new work use moisture meter to determine moisture content. Do not begin installation when moisture content is greater than five percent.
 - III. 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.
 - IV. Previously Painted Surface: Remove loose paint or scale. Sand surface of enamel or gloss paint and remove dust with tack cloth or denatured alcohol.
- B. Prime substrate using materials recommended by manufacturer. Prime surface until the color of the existing surface does not show through.
- C. Ventilate area thoroughly to prevent the odor from permeating to other areas in the building. Provide 100 percent outside air ventilation of application areas.

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. Do not recoat or touch up applied coating.
 - II. Paint surface by working from one end to the other.
 - III. Begin by cutting in the edges of an approximately 2 foot wide section.
 - IV. Paint 2 foot wide section, maintaining a wet edge.
 - V. Roll new section into wet edge.
 - VI. Continuously check for skips, holes, and holidays as application progresses.
 - VII. Remove masking tape within 1 hour of painting.
- C. Coating shall cure for a minimum of 7 days after application before use.
- D. Application Rate: Maximum 50 square feet per quart.
- 4. CLEANING & REPAIR
 - A. Daily erasing and cleaning should be done with a standard dry erase eraser, dry cotton cloth, or micro-fiber towel. Be sure to use clean erasers. For periodic and more thorough cleaning use a clean damp cloth or dry erase cleaner or wipes.
 - B. If damaged, the original surface should be deglossed by scuffing surface and priming before recoating with IdeaPaint.
- 5. PROTECTION
 - A. Protect installed product and finished surfaces from damage during construction.

END OF SECTION. REV 10/06/15.