

Guide Specifications for Designers and Specifiers: This document specifies IdeaPaint™ CRE-8 Dry Erase Coating by IdeaPaint, and is provided for your use in CSI Format. Edit to your project requirements. For further assistance please call 617-714-1050, email us at [service@ideapaint.com](mailto:service@ideapaint.com) or visit our website at [www.ideapaint.com/](http://www.ideapaint.com/).



## SECTION 099736

### WATER-BORNE DRY-ERASE COATING (IdeaPaint™ CRE-8)

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. This Section specifies field-applied dry-erase coatings including surface preparation and primer.

##### 1.2 RELATED SECTIONS

- A. Section 092116 - Gypsum Board Assemblies; gypsum board substrate.
- B. Section 101100 - Visual Display Surfaces; whiteboard and chalkboard substrates.

##### 1.3 SUBMITTALS

- A. Comply with Division 1 Section: Submittals.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. 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.

##### 1.4 QUALITY ASSURANCE

- A. Fire Performance Characteristics: Comply with fire performance characteristics indicated below. Identify components with markings from testing and inspection organization.
  - 1. 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.
  - 1. Install dry-erase coatings mock-up in area designated by Architect.
  - 2. Correct areas, modify method of application/installation, or adjust finish texture as directed by Architect to comply with specified requirements.
  - 3. Maintain mock-ups accessible to serve as a standard of quality for this Section.
  - 4. Accepted mock-ups may remain in place.

#### 1.5 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.

#### 1.6 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.
  - 1. Do not install dry-erase coatings unless substrate temperature is above 60 degrees F.
  - 2. Do not install dry-erase coatings until the space is enclosed and weatherproof.
  - 3. Do not install dry-erase coatings until temperature is stabilized and permanent lighting is in place.

#### 1.7 WARRANTY

- A. Manufacturer's 10 year limited material warranty.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURER

- A. Manufacturer: IdeaPaint, 290 Eliot Street, Ashland, MA 01721, telephone 617-714-1050, fax 617-714-1078, website [www.ideapaint.com/](http://www.ideapaint.com/).

#### 2.2 PRODUCTS

- A. Dry Erase Coating: IdeaPaint™ CRE-8, 2-part, water-borne paint coating by IdeaPaint, providing a surface suitable for use of dry-eraser markers.
  - 1. Color: Manufacturer's standard color as follows:
    - a. Color: White.
    - b. Color: White sand.
    - c. Color: Light beige.
    - d. Color: Light gray.
    - e. Color: Off-white.
    - f. Color: Gray.
    - g. Color: Orange.
    - h. Color: Light green.
  - 2. Color: Custom color as selected.
  - 3. VOC (EPA Method 24 or ASTM D3960): 220 g/L Part A and B mixed, 147 g/L Part A only, 336 g/L Part B only.
  - 4. Coverage: 1 quart per 50 sf (4.6 sq. m).

5. Volume Calcs: 16.71 oz (0.49 L) Part A to 9.41 oz (0.28 L) Part B.
  6. Solids: Part A- 51%.
  7. Density Part A (ASTM D1475): 10.54 lbs/gal.
  8. Density (mixed) (ASTM D1475): NA.
  9. Density Part B (ASTM D1475): 9.06 lbs/gal.
  10. Density Proprietary Compounds (ASTM D1475): 8.37 plus or minus 0.0085 lbs/gal.
  11. Opacity/Hiding Power (ASTM D2805): 98%.
  12. Sag Resistance (ASTM D4400): 19 mils (0.25 mm).
  13. Flow and Leveling (ASTM D2801): 2.
  14. Crack Resistance (ASTM D522): 37%.
  15. Finish/Gloss (ASTM D523) on Dry Wall board:
    - a. 20 degrees: 5.9
    - b. 60 degrees: 35.1
    - c. 85 degrees: 44.9
  16. Scrub Resistance (ASTM D2486): 7,587 Breakthrough at Cycles.
  17. Stain Removal/Washability (ASTM D3450): >95%.
  18. QUV (ASTM D4587) Status after 500 hours:
    - a. White Board: Brightness for White Board QUV = 94.72, DE = 2.13.  
Observation: Not as blue, acceptable; performance acceptable.
    - b. Aluminum Panel: Brightness for Aluminum Panel QUV =94.66, DE = 2.15.  
Observation: Not as blue, acceptable; performance acceptable.
  19. Flashpoint (open cup) (ASTM D92): Seta Flash- Formula C (old formula) Part A 134 degree F, Part B 147 degree F. CAS-MI, MSDS 168 degree F. Formula C-4 open cup >140 degree F, closed cup >200 degree F. SS closed cup >140 degree F, >200 degree F.
  20. Fire Rating (ASTM E84): Flame 5 , Smoke 5 or Class 1 or Class A.
  21. C1350 (ASTM E84): Passed.
- B. Primer: Latex, stain blocking type, non-tinted, ie: Glidden™ Gripper or Kliz® Premium.
- C. Roller Covers: Purdy White Dove 1/4 inch nap "For Very Smooth Surfaces" roller cover, 9 inches wide. No substitutions.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Examine areas and conditions in which dry-erase coatings will be installed.
  1. Complete finishing operations, including painting, before beginning installation of dry-erase coatings.
  2. Wall surfaces to receive dry-erase coatings shall be dry and free from dirt, grease, loose paint, and scale.
  3. Do not proceed with installations until unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Surface Preparation: Remove hardware, accessories, plates and similar items to allow dry-erase coatings to be installed.
  1. 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.
  2. 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.
  3. 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.

4. 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.

### 3.3 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:
  1. Apply heavy single coat ONLY. Do not recoat or touch up applied coating.
  2. Paint surface by working from one end to the other.
  3. Begin by cutting in the edges of an approximately 2 foot wide section.
  4. Paint 2 foot wide section, maintaining a wet edge.
  5. Roll new section into wet edge.
  6. Continuously check for skips, holes, and holidays as application progresses.
  7. 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: 5 mils wet film thickness as measured with a wet film gage; maximum 50 square feet per quart.

### 3.4 CLEANING AND 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.

### 3.5 PROTECTION

- A. Protect installed product and finished surfaces from damage during construction.

END OF SECTION

Rev 7/10