



Master Specification

SECTION 09 9735 DRY-ERASE COATING

PART 1 - GENERAL

1.01 SUMMARY

- A. Section Includes:
 - 1. 2-part dry-erase coating.
- B. Related Sections/Items:
 - 1. Primer/sealer application on gypsum board substrate, refer to Section 09 9000.

1.02 SUBMITTALS

- A. Comply with Section 01 3300.
- B. Product data indicating compliance with specified requirements.
- C. Installation instructions.
- D. Samples:
 - 1. 4 x 4 inch sample of dry-erase coating on each substrate finish.

1.03 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, Flamespread 5, Smoke developed 0.
- B. Deliver materials in original factory wrappings and containers, clearly labeled with manufacturer, brand name, and fire hazard classification.
- C. Store materials in original undamaged packages and containers inside a well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
 - 1. Maintain room temperature within the storage area at not less than 70 deg F during the period materials are stored.
- D. Mock-ups: Prepare mock-ups for Architect's review and to establish requirements for substrate finish and final coating application.
 - 1. Correct areas, modify method of application/installation, or adjust finish texture as directed by Architect to comply with specified requirements.
 - 2. Maintain mock-ups accessible to serve as a standard of quality for this Section.
 - 3. Install dry-erase coatings mock-up in area designated by Architect.

1.04 PROJECT CONDITIONS

- A. Maintain ambient temperature within building at not less than 68 deg F minimum 72 hours prior to beginning of installation.
 - 1. Do not install dry-erase coatings until the space is enclosed and weatherproof.
 - 2. Do not install dry-erase coatings until temperature is stabilized and permanent lighting is in place.

1.05 MAINTENANCE

- A. Maintenance Instructions: Include precautions against cleaning materials and methods that may be detrimental to finish and performance.



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1.06 WARRANTY

- A. Manufacturer's 5 year limited warranty.

PART 2 - PRODUCTS

2.01 DISTRIUBTOR

- A. MDC Wallcoverings
1200 Arthur Avenue
Elk Grove Village, IL 60007
847.437.4000
847-437-9537 fax
E-Mail: ideapaint@mdcwall.com
Web: www.mdcwall.com

2.02 PRODUCTS

- A. IdeaPaint™ IP0050W. 2-part, solvent based coating providing a surface suitable for use of dry-eraser markers.
- B. Primer: PVA type per Section 09 9000.
- C. Technical Data

Test Name	ASTM Method	Result
Suitable substrates	N/A	Primed Whiteboard, chalkboard, drywall
VOC	EPA Method 24 or D3960	325 g/L
Coverage		1 quart is 50ft ²
Density	D1475	1037 lb/gal
Opacity/Hiding Power	D2805	96%
Sag Resistance	D4400	8
Flow and Leveling	D2801	10
Crack Resistance	D522	21%

Test Name	ASTM Method	Result		
Finish/Gloss	D523	Metal Panel A: 20° = 79.2 60° = 92.5	White Board A: 20° = 26.5 60° = 73.3	Black Board A: 20° = 46.3 60° = 78.4
		Metal Panel A: 20° = 81.6 60° = 93.5	White Board B: 20° = 39.1 60° = 81.4	Black Board B: 20° = 59.2 60° = 84.8
Scrub Resistance	D2486	Breakthrough at 15,600 cycles		
Stain Removal/ Washability	D3450	99.55%		
QUV	D4587	Status after 500 hours: White Board Brightness for White Board QUV = 91.44 DE = 2.01 Observation: Not as blue, acceptable	Status after 500 hours: Black Board Brightness for Black Board QUV = 91.73 DE = 1.86 Observation: Not as blue, acceptable	
Thermal	KCMA: ANSI-A161.1-1995 Method 9.2	26 cycle no cracking observed		
Flashpoint (open cup)	D92	170° Celsius		
Flammability Limit	E681	Lower flammability limit: 1.69% at 100°C Upper flammability limit: >9.44% at 100°C		
Fire Rating	E84	Class A(Class I) Flame Spread: 5, Smoke Developed: 0		

2.03 ACCESSORIES

- A. Roller covers: ROLLERFoam™ brand only, other roller covers not acceptable.

PART 3 - EXECUTION

3.01 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.

3.02 PREPARATION

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

2. Gypsum board surface: Recess nails and screws. Repair irregular tape joints, sand and remove dust.
 3. Painted surface: Remove loose paint or scale. Sand surface of enamel or gloss paint and remove dust with tack cloth or denatured alcohol.
 4. Ensure gypsum wallboard surfaces scheduled to receive dry-erase coatings are properly primed with recommended primer under Section 09 9000.
- B. Prime substrate as recommended by manufacturer.
 - C. Ventilate area thoroughly to prevent the odor from permeating to other areas in the building.
 - D. Mix components in strict accordance with manufacturer's instructions.
 1. Pot life: 1 hour maximum.



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3.03 APPLICATION

- A. Comply with manufacturers printed installation instructions.
- B. Apply dry-erase coating with specified foam roller only.
- C. Paint surface by working from one end to the other.
- D. Begin by cutting in the edges of an approximately 2-foot wide section.
- E. Paint 2-foot wide section, maintaining a wet edge.
- F. Roll new section into wet edge.
- G. Continuously check for skips, holes, and holidays as application progresses.
- H. Do not recoat applied coating.
- I. Remove masking tape within 1 hour of painting.
- J. Final coating must cure for a minimum of 1 week after application.

3.04 CLEANING

- A. Clean dry-erase coatings with damp cloth.

3.05 PROTECTION

- A. Protect installed product and finish surfaces from damage during construction.
- B. Do not allow dry-erase coating to be used for a minimum of 1 week after application.

END OF SECTION