

**SECTION 09720**  
**PRESENTATION DRY ERASE WALLCOVERING**

**Part 1 – General**  
**1.01 Summary**

**EDIT ITEMS NOT INCLUDED IN THE PROJECT**

- A. Section Includes:
  - 1. Dry Erase Wallcovering
  - 2. Low Glare Projection Dry Erase Wallcovering
  - 3. Magnet Receptive Dry Erase Wallcovering
- B. Related Sections:
  - 1. Section 16500 – Lighting: Permanent during installation
  - 2. Section 09250 – Gypsum Board: Wall substrates
  - 3. Section 09900 – Painting: Preparation and priming of substrate surfaces
  - 4. Section 09950 – Fabric backed vinyl wallcovering
  - 5. Section 10100 – Marker boards and chalkboards

**1.02 References**

- A. American Society for Testing and Materials (ASTM)
  - 1. ASTM D-4752 – Standard Test Method for Solvent Resistance
  - 2. ASTM E-84 Tunnel Test – Standard Test Method for Surface Burning Characteristics of Building Materials
- B. Chemical Fabrics and Film Association (CFFA)
  - 1. CFFA-W-101-A, B, C, and D – Quality Standard for Vinyl Coated Fabric Wallcovering

**1.03 Submittals**

- A. Manufacturer's data: For each product proposed for use on the project, submit certified copies of reports of tests specified, together with complete description of each wallcovering: including pattern, total weight, fabric weight, film weight, solvent resistance and fire hazard classification.
  - 1. Submit complete data on the type of adhesive proposed for use from adhesive manufacturer and in accordance with manufacturer instructions.
  - 2. Submit manufacturer's installation instructions for each product proposed for use.

- B. Submit written evidence that all materials proposed for use conform to recommendations of the flexible dry erase surface manufacturer for warranted installations.
- C. Submit 7" x 9" samples of each flexible dry erase wallcovering specified

#### **1.04 Quality Assurance**

- A. MDC dry erase wallcovering surfaces meets and exceeds physical performance requirements for Type II medium weight wallcovering as listed in G.S.A. Federal Specification CCC-W-408A.
- B. Tests: All tests shall be performed in accordance with Federal Specification CCC-T-191b, except as follows:
  - 1. Adhesion of vinyl coating to the fabric backing shall be tested in accordance with ASTM D-751.
- C. Installer's Qualifications: Work of this section shall be performed by a firm regularly engaged in the installation of vinyl flexible erasable writing surfaces of the types and qualities specified and acceptable to the architect/designer.
- D. Field Samples: Prepare field samples at project site.
  - 1. Install sample of specified erasable writing surface in area selected by architect/designer.
  - 2. Samples establish requirements for seaming and finish trim.
  - 3. Corrected and approved samples establish standard for the project.

#### **1.05 Delivery, Storage, and Handling**

- A. Deliver dry erase wallcovering to the project site in original, unopened packaging that is clearly labeled with the manufacturer's identification label, product lot number, and product codes.
- B. Store in a clean, dry area with normal humidity and temperature above 55° F (13° C). Store product horizontally to prevent damage to roll ends. Do not cross-stack material or stack or store materials in any manner that might distort the product.

#### **1.06 Project Conditions**

- A. Wall surface must be smoothed or prepared to a Level 5 "Standard of Finishing" per Specification for Levels of Gypsum Board Finish as developed by the PDCA, the Association of the Wall and Ceiling Industries- International, the Gypsum Association, and the Ceilings and Interior Systems Construction Association.
- B. Wall surfaces should not exceed 5.5% moisture as measured by a BD-8 Delmhorst moisture gauge

- C. A temperature above 55° F (13° C) must be maintained in both installation and storage areas for 72 hours before, during, and after installation.
- D. Lighting: Provide not less than 80 foot candles per square foot minimum on the surfaces to receive the flexible dry erase surface.
- E. Room humidity should not exceed 90%.

### **1.07 Warranty**

- A. Provide written manufacturer's five-year limited warranty against manufacturing defects.

### **1.08 Maintenance**

- A. Include printed care and maintenance sheet regarding cleaning, marker usage, and other factors that affect product functionality and aesthetics.

## **PART 2 – Products**

### **2.01 Manufacturer**

- A. MDC flexible dry erase wallcoverings are distributed by MDC 400 High Grove Blvd, Glendale Heights, IL 60139 [www.mdcwall.com](http://www.mdcwall.com)

### **2.02 Materials**

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| THE FOLLOWING PARAGRAPH APPLIES TO MDC DRY ERASE WALLCOVERING AND MDC LOW GLARE DRY ERASE WALLCOVERING |
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- A. Flexible dry erase surfaces: supported vinyl material, with a 1 mil thick PVC film with thermally activated adhesive.
  - 1. MDC Dry Erase Wallcovering or MDC Low Glare Dry Erase Wallcovering
  - 2. Total Weight: 14.75 oz./sq.yd.
  - 3. Fabric Weight: 2.15 oz./sq.yd.
  - 4. Vinyl Weight: 11.65 oz./sq.yd.
  - 5. Backing: 100% Polyester
  - 6. Fire Rating (ASTM E-84): Class A
  - 7. Colorfastness: 200 hours
  - 8. Solvent Resistance: 1,000 Double Rubs with MEK. (ASTM D-4752)
  - 9. Abrasion Resistance: 20,000 Double Rubs ASTM 3597

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| THE FOLLOWING PARAGRAPH APPLIES TO MDC DRY ERASE WALLOVERING AND<br>MDC MAGNET RECEPTIVE DRY ERASE WALLCOVERING |
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**B.** Flexible dry erase surfaces: magnetic receptive film with a 1 mil thick PVC film with thermally activated adhesive.

1. MDC Magnetic Receptive Dry Erase Wallcovering
2. Total Weight: 40.00 oz./sq.yd.
3. Backing Weight: 1.80 oz./sq.yd.
4. Base Film Weight: 38.20 oz./sq.yd.
5. Backing: 100% Polyester
6. Fire Rating (ASTM E-84): Class A
7. Colorfastness: 200 hours
8. Solvent Resistance: 1,000 Double Rubs with MEK. (ASTM D-4752)
9. Abrasion Resistance: 20,000 Double Rubs ASTM 3597

### **2.03 Accessories**

A. Adhesive: Heavy-duty pre-mixed clay-based wallcovering adhesive as approved by flexible dry erase surface manufacturer

B. Substrate Primer/Sealer: Clear or pigmented primer formulated for use with vinyl and/or polyester flexible dry erase surfaces as approved by dry erase surface manufacturer

C. Aluminum Framing Trim:

1. ME1001: Silver anodized aluminum, snap-on trim

D. Aluminum Marker Tray:

1. ME2001: Silver anodized aluminum, snap-on tray

E. Aluminum Cork Insert:

1. ME3001: Silver anodized aluminum cork tack tray

F. Aluminum Display Rail:

1. ME4001: Silver anodized aluminum clip rail

G. Aluminum Tray End Caps:

1. ME7001: Silver anodized aluminum end caps for tray (pair)

## **PART 3 – Execution**

### **3.01 Examination**

- A. Architectural wall surface should be prepared to a Level 5 surface per PDCA requirements. Architectural wall should be clean, dry, and structurally sound, and must be free of mildew, grease, or other stains.
- B. Evaluate painted surfaces regarding potential pigment bleed-through.
- C. Test wall surfaces with a suitable moisture meter to verify that moisture content does not exceed 5.5% as measured by a BD-8 Delmhorst moisture meter
- D. Notify architect/designer in writing of conditions deemed detrimental to timely and correct completion of flexible dry erase surface installation.

### **3.02 Preparation**

- A. A temperature above 55° F (13° C) must be maintained in both installation and storage areas for 72 hours before, during, and after installation.
- B. Wall surface shall be smoothed or prepared to a Level 5 finish per PDCA requirements.
- C. Wall surfaces should be primed with a good quality wallcovering primer. Wall surfaces with significant color variation should be primed with a good quality pigmented wallcovering primer.

### **3.03 Installation**

- A. The beginning of installation constitutes acceptance of surface conditions.
- B. Read and follow manufacturer's installation instruction sheet included with the MDC Dry Erase Wallcovering.
- C. Before cutting, examine all goods to determine that product pattern, color, quantity and quality are as specified.
- D. If at any time during installation a discrepancy is discovered, stop and contact your distributor before proceeding.
- E. Adhesive: Use a heavy-duty pre-mixed clay-based adhesive as approved by the flexible erasable surface manufacturer.
- F. Primer: Use a clear or pigmented primer as approved by the flexible dry erase surface manufacturer.

- G. Install the flexible erasable surface horizontally to minimize noticeable seams. Erasable surface should be overlapped and double cut on the wall or table trimmed and edges butted for full height application only.
- H. For partial wall installation, the erasable surface should have both factory edges trimmed and then the installation framed in per the architect/designer specified requirements and to help seams stay tight to wall surface.
- I. Do not crease the flexible erasable surface.
- J. Use only a plastic smoother to remove any air bubbles and to make sure the entire flexible erasable surface has made good contact and adhesion to the wall.
- K. Trim all edges with a razor knife.
- L. Use a seam roller to apply light pressure to flatten the edges at the seams, ceiling, and baseboard.
- M. Sponge each strip with clean water to remove any excess adhesive. Also wash the ceiling and baseboard to remove paste residue. Blot dry with a clean towel.
- N. Upon completion of flexible erasable surface installation, remove surplus material and debris related to the installation and leave project site in a clean and tidy condition.
- O. Installed flexible erasable surfaces should be cured for a minimum of 48 hours prior to initial use of erasable surface to allow the adhesive to dry completely.

END OF SECTION