This guide specification is to be used to develop an office master specification or specification for a project. In either case, this guide specification must be edited to fit the conditions of use. Particular attention should be given to the selections noted in brackets and the deletion of inapplicable provisions. Include necessary items related to a particular project.

SPECIFIER SHALL REMOVE COMMENTS IN BOLD TEXT PRIOR TO SUBMITTING.

THIS GUIDE SPECIFICATION SECTION IS INTENDED FOR USE IN THE PREPARATION OF A PROJECT SPECIFICATION SECTION COVERING FIELD APPLIED DRY ERASE COATINGS BY MDC.

SECTION 09 97 35
FIELD APPLIED DRY ERASE COATINGS

PART 1 - GENERAL

RETAIN OR DELETE RELATED DOCUMENTS ARTICLE IN ALL SECTIONS OF PROJECT MANUAL.

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

A. Systems for field applied dry erase coatings.

1.3 REFERENCES

A. ASTM D 16: Standard Terminology Relating to Paint, Varnish, Lacquer, and Related Products.

B. Painting & Decorating Contractors of America (PDCA) Standards: P1 to P24.

C. Gypsum Association (GA): GA 214, Recommended Levels of Gypsum Board Finish.

1.4 DEFINITIONS

A. Definitions of Painting Terms: ASTM D 16, unless otherwise specified.

B. DFT: Dry film thickness.

1.5 ACTION SUBMITTALS

A. Product Data: Submit manufacturer's product information for each coating, including generic description, complete technical data, storage and handling requirements and application instructions.

B. Color Samples: Prepare color and finishes samples, 8-1/2 inches x 11 inches in size. Samples shall be resubmitted as requested until required sheen, color, and texture is achieved. Label and identify each sample as to location and application.

1.6 INFORMATIONAL SUBMITTALS

A. Manufacturer's Quality Assurance: Submit manufacturer's certification that coatings comply with specified requirements and are suitable for intended application.

RETAIN PARAGRAPHS BELOW IF LEED PROJECT. MODIFY AS REQUIRED FOR PROJECT TYPE.

B. LEED Submittals:

RETAIN ARTICLE BELOW IF LEED FOR NEW CONSTRUCTION OR CORE & SHELL PROJECT.

1. LEED Credit IEQ 4.2: Submit certification stating that adhesives, sealants, paints, coatings, etc., installed in the building interior does not exceed the VOC content limits established in South Coast Air Quality Management District (SMAQMD) Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.

RETAIN ARTICLE BELOW IF LEED FOR SCHOOLS PROJECT.

2. LEED Credit IEQ 4.2: Submit certification stating that adhesives, sealants, paints, coatings, etc., installed in the building interior meets the testing and product requirements of the California Department of Health Services *Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers*, including 2004 Addenda.
3. LEED Credit MR 5: Submit product data for regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.

1.7 CLOSEOUT SUBMITTALS

A. Maintenance Instructions: Provide manufacturer's recommended maintenance and cleaning instructions for the coated surfaces.

B. Warranty: 3 signed copies.

1.8 QUALITY ASSURANCE

A. Manufacturer's Qualifications:

1. Manufacturer of high performance coatings with a demonstrated minimum of 10 years of successful experience.
2. Manufacturer shall supply a list of successfully completed projects of a comparable type.
3. Source Responsibility: Coatings shall be products of a single supplier.

B. Applicator's Qualifications:

1. Experienced in application of specified coatings for a minimum of 5 years on projects of similar size and complexity to this Work.
2. Applicator's Personnel: Supervisory personnel shall be trained/experienced in the successful application of the specified coatings.

C. Comply with applicable codes and regulations of government agencies having jurisdiction over airborne emissions, rinse runoff and industrial waste disposal. Where those requirements conflict with this specification, comply with the more stringent provisions.

D. Comply with current applicable regulations of the state and local air pollution control agencies/districts and the Environmental Protection Agency (EPA).

E. Mock-ups:

1. Before proceeding with the work, apply a sample area of approximately 100 sq ft, including primer, to an area as directed by the Architect.
2. Prepare mock-ups for Architect’s review and to establish requirements for substrate finish and final coating application, texture, sheen and color.
3. Correct areas, modify method of application and installation, or adjust finish texture as directed by the Architect to comply with the specified requirements.
4. Maintain mock-up accessible to serve as a standard of quality for this Section.
5. Accepted mock-up may remain in place.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver materials to job site in manufacturer's original, unopened containers and packaging, with all labeling clearly identifying:

1. Coating or material name.
2. Manufacturer.
3. Color name and number.
4. Batch or lot number.
5. Date of manufacture.
6. Mixing and thinning instructions.

B. Storage:

1. Store materials in a clean, dry area and within temperature range in accordance with manufacturer's instructions.
2. Keep containers sealed until ready for use.
3. Do not use materials beyond manufacturer’s shelf life limitations.

C. Handling: Protect materials during handling and application to prevent damage or contamination.

1.10 PROJECT CONDITIONS

A. Weather:

1. Air and Surface Temperatures: Prepare surfaces and apply and cure coatings within air and surface temperature range in accordance with manufacturer’s

instructions.

2. Surface Temperature: Minimum of 5 degrees F (3 degrees C) above dew point.
3. Relative Humidity: Prepare surfaces and apply and cure coatings within relative humidity range in accordance with manufacturer's instructions.

B. Ventilation: Provide ventilation during coating evaporation stage in confined or enclosed areas in accordance with manufacturer's instructions.

C. Dust and Contaminants:

1. Schedule coating work to avoid excessive dust and airborne contaminants.
2. Protect work areas from excessive dust and airborne contaminants during coating application and curing.

1.11 WARRANTY

A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace elastomeric coatings that fail within specified warranty period.

1. Failures include, but are not limited to, the following:
   a. Water penetration through the coating.
   b. Deterioration of coating beyond normal weathering.
2. Warranty Period: Ten (10) years from date of Substantial Completion.

B. The manufacturer's warranty is be fully paid for by the coating applicator. The Warranty is to cover both labor and materials, without financial limits, required to remove defective materials and recoat areas in which moisture has penetrated structurally sound materials.

C. Provide warranty signed by the Contractor, coating applicator and manufacturer.

D. This warranty is in addition to, and not a limitation of, other rights the Owner may have against the Contractor under the Contract Documents.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

RETAIN ARTICLE BELOW IF LEED PROJECT.

A. LEED Requirements:

RETAIN ARTICLE BELOW IF LEED FOR NEW CONSTRUCTION OR CORE & SHELL PROJECT.

1. LEED Credit IEQ 4.2: Provide adhesives, sealants, paints, coatings, etc., installed in the building interior does not exceed the VOC content limits established in South Coast Air Quality Management District (SMAQMD) Rule 1113, Architectural Coatings, rules in effect on January 1, 2004.

RETAIN ARTICLE BELOW IF LEED FOR SCHOOLS PROJECT.

2. LEED Credit IEQ 4.2: Provide adhesives, sealants, paints, coatings, etc., installed in the building interior that meet the testing and product requirements of the California Department of Health Services *Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers,* including 2004 addenda.
3. LEED Credit 5: Provide a minimum of **[10 percent (based on cost)] [and an additional 10 percent (total of 20 percent, based on cost)]**, of building materials that are extracted, harvested or recovered, as well as manufactured with 500 miles of the project site.

B. Products: Subject to compliance with requirements, provide one of the following:

1. MDC FUZE™ Dry Erase Coating, MDC, 400 High Grove Blvd, Glendale Heights, Illinois (847) 473-4000.
2. Or other as approved by Architect.

C. Dry erase coating performance requirements:

EDIT THE FOLLOWING BASED ON COLOR SELECTION FOR THE PROJECT.

1. Colors: **[Clear.] [White.]**
2. VOC (EPA Method 24)
   a. **[Clear 89 g/L Part A&B mixed.]**
   b. **[White 89 g/L Part A&B mixed.]**
3. Solids:
   a. **[Clear 92 percent.]**
   b. **[White 92 percent.]**
4. Gloss: ASTM D 523.
   a. **[Clear 90+ at 60 degrees.]**
   b. **[White 90+ at 60 degrees.]**
5. Fire Rating: ASTM E 84, Class A.

D. Recommended acrylic primers:

1. Glidden Gripper Primer.
2. Kilz Premium Primer.
3. Sherwin-Williams Multi-Purpose Latex Primer/Sealer.

2.2 INTERIOR COATING SYSTEMS

A. Gypsum Board:

1. System Type: Acrylic primer / modified epoxy dry erase topcoat.
2. Surface Preparation: Remove hardware, accessories, plates and similar items to allow dry erase coatings to be installed.
3. Primer.
4. Finish Coat: MDC FUZE™.
5. Sheen: Gloss
6. Total DFT: 4.0 to 8.0 mils.

2.3 ACCESSORIES

A. Use accessories required for application of specified coatings in accordance with manufacturer's recommendations, including thinners.

1. Roller: Purdy White Dove 1/4 inch nap roller as included in kit by manufacturer. No substitutions permitted.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions under which dry erase coating system is to be applied. Notify Architect of areas or conditions not acceptable. Do not begin surface preparation or application until unacceptable areas or conditions have been corrected.

B. Wall surfaces to receive dry erase coating shall be dry and free from dirt, grease, loose paint and scale.

C. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 PROTECTION OF SURFACES NOT SCHEDULED TO BE COATED

A. Protect surrounding areas and surfaces not scheduled to be coated from damage during surface preparation and application of coatings.

B. Immediately remove coatings that fall on surrounding areas and surfaces not scheduled to be coated.

3.3 SURFACE PREPARATION

A. Gypsum Board:

1. Prepare gypsum board surfaces in accordance with Level 5 Drywall Finish.
2. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminants.
3. Sand joint compound smooth and feather the edge to match.
4. Avoid heavy sanding of adjacent gypsum board surfaces, which will raise nap of paper covering.
5. Do not apply putty, patching pencils, caulking, or masking tape to gypsum board surfaces to be painted.
6. Lightly scuff sand tape joints after priming to remove raised paper nap. Do not sand through primer

B. Medium-Density Fiberboard (MDF):

1. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminants.
2. Scuff sand the substrate with 150 to 220 grit sandpaper to achieve a slight etch.

C. Previously Coated Surfaces:

1. Ensure surfaces are clean, dry, and free of oil, grease, dirt, dust, and other contaminates.
2. Scuff sand the substrate with 150 to 220 grit sandpaper to achieve a slight etch.
3. Before applying dry erase coating, a test or mock-up shall be performed to ensure adhesion, appearance and color are compatible with the existing substrate coating.

3.4 APPLICATION

A. Apply coatings in accordance with manufacturer's instructions.

B. Mix and thin coatings, including multi-component materials, in accordance with manufacturer’s instructions.

C. Keep containers closed when not in use to avoid contamination.

D. Do not use mixed coatings beyond pot life limits.

E. Use application equipment, tools, pressure settings, and techniques in accordance with manufacturer’s instructions.

F. Uniformly apply coatings at spreading rate required to achieve specified DFT.

G. Apply coatings to be free of film characteristics or defects that would adversely affect performance or appearance of coating systems.

3.5 REPAIR

A. Materials and Surfaces Not Scheduled To Be Coated: Repair or replace damaged materials and surfaces not scheduled to be coated.

B. Damaged Coatings: Touch-up or repair damaged coatings. Touch-up of minor damage shall be acceptable where result is not visibly different from adjacent surfaces. Recoat entire surface where touch-up result is visibly different, either in sheen, texture, or color.

C. Coating Defects: Repair, in accordance with manufacturer’s instructions, coatings that exhibit film characteristics or defects that would adversely affect performance or appearance of coating systems.

3.6 CLEANING

A. Remove temporary coverings and protection of surrounding areas and surfaces.

3.7 PROTECTION OF COATING SYSTEMS

A. Protect surfaces of coating systems from damage during construction.

END OF SECTION