SECTION 099735
DRY ERASE COATINGS
(IdeaPaint™ Clear Dry Erase)

PART 1 GENERAL

1.1   SECTION INCLUDES

    A.   This Section specifies field-applied dry erase coatings.

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.   Manufacturer Qualifications: Minimum 5 years manufacturing dry erase coatings.

    B.   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.

    C. Sustainable Design:
1. Indoor Air Quality: UL Greenguard Gold Certified Product.
2. USGBC LEED IEQ Credit 4.2 for Low-Emitting Materials - Paints and Coatings
    a. Compliance achieved using 150 g/l VOC content threshold.
    b. Provide coating meeting SCAQMD Rule 1113 Section (c)(1) requirements, default limit of 50g/l VOC.
    c. Compliance achieved using CA 01350 indoor air emissions.
    d. Compliance achieved using USGBC VOC Budget Methodology for low-emitting materials.

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
1. Store materials in original undamaged packages and containers inside a well -ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity. Storage temperature shall be between 40° F (4.5 C) and 90° F (32 C), or such other ambient temperature conditions as may be specifically recommended by product manufacturer. Do not allow product to freeze.

1.6   PROJECT CONDITIONS

A. Maintain ambient temperature not less than 60 deg F minimum and 90 deg F maximum 12 hours prior to beginning of installation and 24 hours after 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. Warranty: Manufacturer's 10 year limited material warranty for registered IdeaPaint installation. Technical Training is included in the registration process and is required for installation of IdeaPaint products. Failure to obtain proper technical training prior to installation of IdeaPaint products will void the warranty.

PART 2 PRODUCTS

2.1   MANUFACTURER

A. Manufacturer: IdeaPaint division of ICP Building Solutions Group, 150 Dascomb Rd, Andover, MA 01810, telephone 800-393-5250 or (1) 617-714-1050(US), website www.ideapaint.com.
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2.2   PRODUCTS

A. Dry Erase Coating: Clear Dry Erase by IdeaPaint, providing a surface suitable for use of dry erasemarkers. *Recommended markers Expo or Bic
B. BPA: Free
C. TIN: Free
D. Chemistry Type: Non-Isocyanate (Epoxy-silane Amine hybrid) based coating
E. 2 component Part A THAT and Part B THIS
F. Solventless- Solvent cleanup ie Acetone or Isopropyl Alcohol
G. Exposure: Interior
H. Appearance: Clear liquid, dries as a clear film

I. Coverage: 50 sq ft, 100 sq ft, 200 sq ft
J. Minimum Mix time: 3 minutes
K. Potlife: 2 hours
L. Set to Touch: 3-4 hours (longer under humid or cold conditions)
M. Minimum Application Temperature 60°F
N. Odor: Mild Alcohol, nail polish remover
O. Fire Rating (ASTM E84): Class A, Flame Spread index 0, Smoke Developed index 0.
P. Maximum VOC (EPA Method 24): 46 g/L
Q. Weight per Gallon (ASTM D1475): 9.30 lbs mixed, THAT Part A 9.48 lbs, THIS Part B 7.81 lbs.
R. Solids by Weight (ASTM D2369): 95.8 +/- 2%
S. Solids by Volume 38-40%
T. Opacity/Hiding Power (ASTM D2805): N/A
U. Sag Resistance (ASTM D4400): 4
V. Crack Resistance (Mandrel Bend ASTM D522): 1/8"
W. Finish/Gloss (ASTM D523) on Dry Wall Board:
   1. 20 Degreees:59.3
   2. 60 Degrees: 83.3
   3. 85 Degrees: 78.5
X. Scrub Resistance (ASTM D2486): Greater than 5000 cycles
Y. Stain Removal/Washability (ASTM D3450): Greater than 99%
Z. Flash Point (ASTM D93): greater than 199°F THAT Part A , 185°F THIS Part B, 185 °F mixed THAT/THIS Part A/Part B (solventless)
AA. QUV (ASTM G154) -following 500 hours exposure, samples on prepared drywall over Semigloss topcoat):
   1. Control Panel: L=91.35, a= 6.74, b= -0.22
   2. Test Panel: L=89.62, a=5.68, b= 1.02
      a. Delta E= 10.05
BB. Pencil Hardness (ASTM D3363): 4H
CC. Chemical Resistance (ASTM D1308):

Chemical	Result
Ketchup	No Change
Lemon	No Change
Mustard	Severe discoloration of coating
Coffee	No Change
Tea	No Change
Grape Juice	No Change
Vinegar	Coating peeled
Isopropyl Alcohol	Softening of coating
Muriactic Acid	Loss of gloss where exposed
1N Sodium Hydroxide	No Change
50% Ethyl Alcohol	Softening of coating
Fantastic	No Change
Formula 409	No Change
Windex	No Change
Dish Soap	No Change
100% Bleach	No Change
50% Bleach	No Change
Clorox Wipe	No Change
Sun Tan Lotion	Severe discoloration of coating

Hand Lotion	Slight discoloration of coating
Apple Slice	No Change
Cola	No Change

3.1 PREPARATION

A. Do not apply IdeaPaint CLEAR Dry Erase Paint over oil or alkyd based top coats or primers. These will cause yellowing. For optimal installations of IdeaPaint CLEAR Dry Erase Paint: top coats should be 100% acrylic and have a semi-gloss, or gloss finish. Semi-gloss and higher sheen top coats will assure the best dry erase performance. If top coat paint has a flat or matte finish or if finish is unknown, apply 1 coat of Semi-gloss or gloss 100% acrylic paint. Allow to dry for 24 hours prior to applying IdeaPaint CLEAR Dry Erase Paint.

B. Roller Covers: Provided by manufacturer. No substitutions.

PART 3 EXECUTION

3.2 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.
  4. Schedule call with IdeaPaint Tech Team for review, tech training, or mock-up

3.3 ADDITONAL PREPARATION

1. It is recommended that the wall surface to which the IdeaPaint is applied be a minimum of 60°F, maximum 90°F for at least 12 hours prior to, and 24 hours after, installation. Verify that the wall moisture content does not exceed 4% using a suitable moisture meter, and that active moisture infiltration, condensation, and/or accumulation—particularly in warm, humid climates—is not present.
2. If walls show mold, mildew or visible moisture damage, or if moisture content exceeds recommendations, do not proceed with installation until the condition has been fully corrected under the direction of a qualified professional. IdeaPaint will not be responsible for any performance or quality issues if moisture problems are not addressed before, during or following installation.
3. IdeaPaint will only be as smooth as the surface you apply it to. Repair any divots, scratches, or bumps on the wall by filling them with spackle or joint compound. If the wall is textured, sand it smooth – or, for heavy texture, skim the wall with joint compound.
4. Use painter's blue tape (3M Multipurpose preferred) to tape off the area. Clearly define the area to be painted and DO NOT stretch the product beyond the square footage listed on the box. To capture any drips, use two strips of tape to widen the protection at the bottom of your surface.
5. When complete, wipe the surface down with a clean, damp or dry cloth to prevent debris and dust from getting caught in the surface during application.
6. Ventilate area thoroughly to aid in curing process and to dissipate mild odor. Allow a high percentage of outside air into current ventilation.

3.1 APPLICATION

A. Apply 1 coat of IdeaPaint CLEAR Dry Erase Paint at a rate of 3-4 mils WFT. Be sure to pass over the same area at least 4-5 passes and backroll from ceiling to floor when laying off. When backrolling be sure the roller is damp, not soaking wet with IdeaPaint.

B. Move along in 2-3 foot sections. Be sure to look back and remove any debris or cover any missed spots before moving onto the next section.

C. During this time, if you are applying more than 50 sq. ft. you can cut in edges, socket & switches in your next 50 sq. ft.

D. For larger-scale installations, replace the roller cover after every 100 sq. ft. of product applied.

E. Once finished, remove tape immediately while IdeaPaint is still wet and clean up.

3.2 CLEANING AND MAINTENANCE

I. Regular erasing and cleaning should be done with a standard dry erase eraser or a dry microfiber towel. For more thorough cleaning, a damp microfiber towel may be used or IdeaPaint Cleaner. If damaged, the original surface shall be deglossed by sanding surface, priming and topcoating before recoating. Call or email customer service for specific reinstallation procedures.

3.3 PROTECTION

J. Protect installed product and finished surfaces from damage during construction.

8/2022   END OF SECTION