

GUIDE SPECIFICATIONS FOR DESIGNERS AND SPECIFIERS—CSI SECTION 09 96 66

Wink—Clear, Write-and-Erase Finish

1 GENERAL

1.1 RELATED DOCUMENTS

- A. General:** Drawings and general provisions of the Contract, including General Conditions, Division 1—GENERAL REQUIREMENTS, and other applicable specification sections in the Project Manual apply to the work specified in this Section.

1.2 SUMMARY

- A. Scope:** Provide labor, material, equipment, related services, and supervision required, including, but not limited to, manufacturing and application for clear, write-and-erase finishes as required for the complete performance of the work, and as shown on the Drawings and as herein specified.

Wink product is extremely durable and will handle years of use. It is designed for meeting rooms, brainstorming areas, conference centers, etc.; and found in schools, hospitals, restaurants, entertainment facilities or wherever a dry erase surface can be used.

- B. Section Includes:** The work specified in this Section includes, but shall not be limited to, a waterbased finish for interior walls that is specially formulated to work as a write-and-erase surface.

1.3 REFERENCES

- A. General:** The publications listed below form a part of this Specification to the extent referenced. The publications are referred to in the text by the basic designation only. The edition/revision of the referenced publications shall be the latest date as of the date of the Contract Documents, unless otherwise specified.
1. *Gypsum Association (GA):* GA 214, "Recommended Specification: Levels of Gypsum Board Finish."
 2. *American Society for Testing and Materials (ASTM):* ASTM D 2486, "Standard Test Method for Scrub Resistance of Interior Latex Flat Wall Paints." ASTM E 84, "Standard Test Method for Surface Burning Characteristics of Building Materials."
 3. *South Coast Air Quality Management District (SCAQMD):* SCAQMD Rule #1168, "Adhesive and Sealant Applications," including most recent amendments.
 4. California Department of Public Health (CDPH) Standard Method v1.1-2010

1.4 SUBMITTALS

- A. General:** See Section 01 33 00—SUBMITTAL PROCEDURES
1. *Maintenance Data:* Submit maintenance data for clear, dry erase finishes to include in operation and maintenance manuals specified in Division 1—GENERAL REQUIREMENTS.
- B. Product Data:** Submit product data showing material proposed. Submit sufficient information to determine compliance with the Drawings and Specifications.

C. Quality Control Submittals

1. *Qualification Data*: Submit qualification data for firms and persons specified in Quality Assurance Article to demonstrate their capabilities and experience. Include lists of completed projects with project names and addresses, names of architects and owners, and other information specified.
2. *Test Reports*: Submit product test reports from a qualified independent inspecting and testing agency showing compliance of clear write/erase finishes with requirements, based on comprehensive testing of current product formulations within the last two years.

Retain below for projects requiring LEED certification.

D. LEED Submittals: Submittals that are required to comply with requirements for LEED certification include, but shall not be limited to, the following:

The following applies to LEED v2009 Credits MR 5.1 and MR 5.2.

1. *Regional Materials*: Provide product data for regional materials indicating location and distance from the Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Distance shall be within 500 miles (805 Km) of the Project Site. Include statement indicating cost for each regional material and, if applicable, the fraction by weight that is considered regional.

Below applies to LEED v2009 Credits EQ 4.1 (Adhesives and Sealants) and EQ 4.2 (Paints and Coatings), and LEED v4 Low Emitting Materials Credit.

2. *Low Emitting Materials—Adhesives, Sealants, Paints and Coatings*: Submit certification by the manufacturer confirming that products (i.e., adhesives, sealants, paints, coatings, etc.) are within the Volatile Organic Compound (VOC) limits set by the South Coast Air Quality Management District (SCAQMD) Rules #1113 and #1168, as outlined in Section 01 11 23—LEED GREEN BUILDING RATING SYSTEM. VOC limits and product VOC content in grams per liter shall be clearly stated in the submittal.
3. *Low Emitting Materials*: Submit certification by the manufacturer confirming that products (i.e., adhesives, sealants, paints, coatings, etc.) have been tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010, using the applicable exposure scenario. The manufacturer's or third-party certification must state the exposure scenario used to determine compliance. Claims of compliance for wet-applied products must state the amount applied in mass per surface area and must state the range of total VOCs after 14 days (336 hours), as specified in the CDPH Standard Method v1.1.

1.5 QUALITY ASSURANCE

A. Qualifications

1. *Manufacturer Qualifications*: Manufacturer shall be a firm engaged in the manufacture of clear finishes of type required, and whose products have been in satisfactory use in similar service for a minimum of five years.
2. *Applicator Qualifications*: Applicator shall be a firm that shall have a minimum of five years of successful application experience with projects utilizing clear finishes similar in type and scope to that required for this Project.
3. *Regulatory Requirements*: Comply with applicable requirements of the laws, codes, ordinances, and regulations of Federal, State, and local authorities having jurisdiction. Obtain necessary approvals from such authorities.
4. *Mock Ups*: Prior to application of the work, fabricate and erect mock ups for each type of finish and application required to demonstrate aesthetic effects as well as qualities of materials and execution. Build mock ups to comply with the following requirements, using materials indicated for final unit of work. Locate mock ups on site in location and of size indicated or, if not indicated, as directed by the Architect. Demonstrate the proposed range of aesthetic effects and workmanship to be expected

in the completed work. Obtain the Architect's acceptance of mock ups before start of final unit of work. Retain and maintain mock ups during construction in undisturbed condition as a standard for judging completed unit of work.

Select one of the below.

- a. When directed, demolish and remove mock ups from the Project site.
 - b. Accepted mock ups in undisturbed condition at time of Substantial Completion may become part of completed unit of work.
5. *Pre Application Conference:* Conduct pre-application conference in accordance with Section 01 31 19—PROJECT MEETINGS. Prior to commencing the application, meet at the Project site to review the material selections, application procedures, and coordination with other trades. Mock ups shall be reviewed during the pre application conference. Pre application conference shall include, but shall not be limited to, the Contractor, the Applicator, manufacturer's representatives, and any trade that requires coordination with the work. Date and time of the pre application conference shall be acceptable to the Owner and the Architect.

1.6 DELIVERY AND STORAGE

- A. Delivery:** Deliver materials to the Project site in supplier's or manufacturer's original wrappings and containers, labeled with supplier's or manufacturer's name, material or product brand name, and lot number, if any.
- B. Storage:** Store materials in their original, undamaged packages and containers, inside a well ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.

1.7 PROJECT CONDITIONS

- A. Environmental Requirements:** Do not apply Wink finish until space is enclosed and weatherproof, wet work in space is completed and nominally dry, work above ceilings is complete, and ambient temperature and humidity conditions are and will be continuously maintained at values near those indicated for final occupancy.

2 PRODUCTS

2.1 MATERIALS

Retain below for projects requiring LEED certification.

A. LEED Requirements

The following applies to LEED v2009 Credits MR 5.1 and MR 5.2.

1. *Regional Materials:* Provide a minimum of [10 percent (based on cost)] [and an additional 10 percent beyond Credit MR 5.1 (total of 20 percent, based on cost)], of building materials that are regionally extracted, processed, and manufactured.

Below applies to LEED v2009 Credits EQ 4.1 (Adhesives and Sealants) and EQ 4.2 (Paints and Coatings), and LEED v4 Low Emitting Materials Credit.

2. *Low Emitting Materials—Adhesives, Sealants, Paints and Coatings:* Use adhesives, sealants, paints, coatings, etc. that are within the VOC limits set by SCAQMD Rules #1113 and #1168, as outlined in Section 01 11 23—LEED GREEN BUILDING RATING SYSTEM.
3. *Low Emitting Materials:* Use adhesives, sealants, paints, coatings, etc. that have been tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010, using the applicable exposure scenario.

4. *Wink Clear, Write-and-Erase Finish*: Provide VOC-compliant, waterbased, mark-resistant clear finish, capable of being applied over any color.

B. Technical Information and Test Results

1. *Suitable Substrates*: Gypsum board, smooth sealed wood, previously painted surfaces, and others in accordance with the manufacturer's recommendations
2. *Colors Available*: Finish is clear
3. *Coverage Rate*: Kits will provide coverage of approximately 50, 100, or 200 square feet of surface area
4. *Finish*: Gloss 92 at a 60 degree
5. *Maximum VOC*: Less than 50 grams per liter, EPA Test Method 27
6. *Fire Rating*: Class A or Class I, ASTM E 84
7. *Scrub Resistance*: 10,000+ scrub cycles, ASTM D 2486
8. *Stain Removal*: Excellent rating.
9. *Basis of Design*: Product specified is "Wink" as manufactured by Master Coating Technologies. Items specified are to establish a standard of quality for design, function, materials, and appearance. Equivalent products by other manufacturers are acceptable. The Architect will be the sole judge of the basis of what is equivalent.
10. *Accessories*: Provide accessories as recommended by the manufacturer, including, but not limited to, the following:
 - a. *Markers*: Expo Low Odor or Bold Dry Erase Markers.
 - b. *Cleaner/Wipes*: Expo Dry Erase Board Cleaner and/or Cleaning Wipes.

3 EXECUTION

3.1 EXAMINATION

- A. Verification of Conditions**: Examine areas and conditions under which the work is to be applied, and notify the Contractor in writing, with a copy to the Owner and the Architect, of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected. Beginning of the work shall indicate acceptance of the areas and conditions as satisfactory by the Applicator.

3.2 PREPARATION

- A. Product Preparation**: Gloves, goggles, and a respirator shall be worn when pouring and mixing. Thinning is not required for brush or roller application.
- B. Surface Preparation**: Prepare surfaces to Level 5 smoothness in accordance with GA 214. Primer/sealers and base coats may be brushed, rolled, or sprayed. Sprayed application is preferred in order to provide the smoothest surface for the application of the Wink write-and-erase finish.
- C. Gypsum Board**: Prepare to Level 5 finish for best results. Provide two base coats of manufacturer's recommended product. Ensure uniform color across surface.
- D. Primed Metal**: Provide two base coats of manufacturer's recommended product.
- E. Unprimed Metal**: Provide manufacturer's recommended primer and two base coats of product.
- F. Previously Painted Surfaces**: Provide two base coats of manufacturer's recommended product.

3.3 APPLICATION

A. Required Materials: Nine inch, lint-free 1/4" nap roller cover; paint roller; metal painter's tray; low-tack painter's tape; Wink Part A, Part B, and a stir stick.

B. Preparation

1. *Over existing painted surfaces:* The surface should be clean, dry, and free of grease and mildew. Since Wink is a high-gloss, clear coating, it will highlight any imperfections, so take the necessary steps to ensure a smooth surface prior to application.
2. *If repainting before applying Wink:* Sand the existing wall to remove any high points or imperfections, and fill any holes or scratches. Apply primer and paint so the wall is as smooth as possible with very little stipple and no lap marks or roller lines. Allow to fully dry (4+ hours depending on conditions) before applying Wink.

IMPORTANT: Mask surrounding areas with low-tack painter's tape. Wink dries quickly, so remove tape while finish is still wet. Any material found under the painter's tape can be removed with a damp rag.

C. Mixing: Stir mixture while pouring Part B into Part A. Mix thoroughly for 3 to 3-1/2 minutes. As Parts A and B are incorporated, Wink will begin to thicken slightly. Be sure to incorporate any unmixed paint on the inner sides of the can into the middle. Allow mixed Wink to "sweat-in" for 5 minutes.

IMPORTANT: Once Parts A and B are mixed, Wink must be used within 1 hour. Do not combine multiple kits. Do not reseal cans once opened; contents will expand.

D. Application: Pour Wink into a clean metal tray and apply with a lint-free 1/4" nap roller. Cut in only as far as you are able to paint before the mixture begins to dry. Roll vertically, maintaining a wet edge. Lay off in one direction, from top to bottom. Work in manageable 3–4 ft. sections. Inspect the application from multiple angles to ensure uniform coverage and no pinholes.

E. Curing: Surface will be writable in 4 days.

3.4 CLEANING AND MAINTENANCE

A. Clean Up: Dispose of roller. Clean equipment immediately after application with warm soapy water and disposable rag. Do not flush waste material into any drain.

B. Disposal: Product contains no chromium, lead, or mercury. Disposal of containers shall be in accordance with applicable federal, state and local laws and regulations. Comply with requirements of authorities having jurisdiction concerning reuse, recycling, or disposal of unused product.

C. Maintenance: For daily erasing and cleaning, we recommend using a microfiber cloth. A dry-erase cotton cloth can also be used, however we do not recommend Expo® or other brand felt erasers. Periodically use a clean, damp cloth with mild soap or just water—or disposable wipes—to maintain the surface. Expo Dry Erase Board Surface Cleaner or Cleaning Wipes also work well. After using a cleaner, it's best to wipe the surface with clean water to remove any residue. Regular household cleaners (such as Windex® or Formula 409®) should **not** be used, as they can damage the Wink surface.

3.5 PROTECTION

A. General: Protect and maintain conditions in a manner acceptable to the Applicator, ensuring that the write-and-erase surface is without damage at time of Substantial Completion.

END OF SECTION