

Product Guide Specification

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” after editing this section.

Section numbers are from *MasterFormat 1995 Edition*, with section numbers from *MasterFormat 2004 Edition* in parentheses. Delete version not required.

SECTION 09720 (09 72 19)

TEXTILE WALL COVERINGS

Specifier Notes: This section covers OMNOVA Solutions Inc. **Avant**[™] wall coverings featuring **ECORE**[™] Advanced Wall Technology. Consult OMNOVA Solutions Inc. for assistance in editing this section for the specific application.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Wall coverings.

1.2 REFERENCE STANDARDS

Specifier Notes: List reference standards mentioned in this section, complete with designations and titles. Delete reference standards not included in this edited section. This article does not require compliance with reference standards, but is merely a listing of those used.

- A. ASTM D 2486 – Standard Test Methods for Scrub Resistance of Wall Paints.
- B. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials.
- C. ASTM E 96 – Standard Test Methods for Water Vapor Transmission of Materials.
- D. Federal Specification CCC-T-191b – Textile Test Methods.
- E. Federal Specification CCC-W-408D – Vinyl Wall Covering.

- F. ISO 9001:2000 – Quality Management Systems – Requirements.
- G. NFPA 286 – Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Wall and Ceiling Interior Finish.

1.3 SUBMITTALS

Specifier Notes: Edit submittal requirements as required. Delete submittals not required.

- A. Comply with Section 01330 (01 33 00) – Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including surface preparation and installation instructions.

Specifier Notes: Delete samples if not required.

- C. Samples: Submit manufacturer's samples of each pattern and color of wall coverings specified, minimum 8 inches by 10 inches.
- D. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- E. Cleaning Instructions: Submit manufacturer's cleaning instructions.
- F. Warranty Documentation: Submit manufacturer's standard warranty.

1.4 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 - 1. Manufacturer regularly engaged, for past 5 years, in manufacture of commercial wall coverings.
 - 2. ISO 9001 certified facility.
- B. Installer's Qualifications:
 - 1. Installer regularly engaged, for past 5 years, in installation of commercial wall coverings.
 - 2. Employ persons trained for installation of commercial wall coverings.

Specifier Notes: Edit pre-installation meeting as required. Delete meeting if not required.

- C. Pre-installation Meeting:
 - 1. Convene pre-installation meeting before start of installation of wall coverings.
 - 2. Require attendance of parties directly affecting work of this section, including Contractor, Architect, installer, and manufacturer's representative.
 - 3. Review surface preparation, testing for and eliminating sources of moisture accumulation into walls, installation, cleaning, protection, and coordination with other work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage and Handling Requirements:
 - 1. Store and handle materials in accordance with manufacturer's instructions.
 - 2. Keep materials in manufacturer's original, unopened containers and packaging until installation.
 - 3. Store materials in clean, dry area indoors, out of direct sunlight.
 - 4. Keep wall coverings clean and dry.
 - 5. Store materials at normal occupied building temperature and humidity for a minimum of 3 days before installation.

1.6 AMBIENT CONDITIONS

- A. Rooms to Receive Wall Coverings: Weather tight with HVAC settings, including pressure, temperature, and relative humidity, the same as those of occupied building for 3 days before installation, throughout installation, and for 3 days after installation of wall coverings.

1.7 WARRANTY

- A. Warranty Period: 5 years.

PART 2 PRODUCTS

2.1 DISTRIBUTOR

- A. MDC Wallcoverings, 1200 Arthur Avenue, Elk Grove Village, IL 60007. Phone (847) 437-4000. Fax (847) 437-4017. Website www.mdcwall.com. E-mail info@mdcwall.com.

2.2 WALLCOVERINGS

- A. Wall Coverings: Avant wall coverings with ECORE
 - 1. Compliance: Fed. Spec. CCC-W-408D, Type II.
 - 2. Fabric Type: Polyester and co-polyester microfilament fiber.
 - 3. Top Coating: Protective, stain resistant.
 - 4. Finished Width: 54 inches.
 - 5. Inks:
 - a. Water based.
 - b. Free of cadmium, mercury, and heavy metals.
 - 6. Does not contain perfluoro octanoic acid (PFOA), nor will it degrade to PFOA.
 - 7. Does not contain formaldehyde.
 - 8. Does not contain plasticizer.
 - 9. Breathable.
 - 10. Recyclable: 100 percent post-consumer recyclable through manufacturer reclamation program.
 - 11. Certifications:
 - a. GREENGUARD Indoor Air Quality Certified for low VOC emissions.
 - b. GREENGUARD Children and Schools Certified for very low VOC emissions.

12. City of New York Department of Buildings: MEA approved, number 23-08-M.

B. Physical Properties:

1. Finished Total Weight: Fed. Spec. CCC-T-191b 5041.
 - a. 9 oz. per linear yard (279 g/linear m).
 - b. 6 oz. per square yard (185 g/m²).
2. Average Total Thickness: 0.018 inch (0.457 mm).
3. Tensile Breaking Strength, Fed. Spec. CCC-T-191b 5100, 50 lbs. by 55 lbs. (222 N by 245 N): 145 lbs. by 138 lbs. (644 N by 616 N).
4. Tear Strength, Fed. Spec. CCC-T-191b 5132, Minimum 50 x 50 Scale Reading.
5. Moisture Vapor Transmission Rate, ASTM E 96, Method B: Minimum 100 perms.
6. Scrubbability Test, ASTM D 2486, 300 Cycles: No damage to finish or print.
7. Surface Burning Characteristics, ASTM E 84, on Type X gypsum board: Class A.
 - a. Flame Spread Index: 25.
 - b. Smoke Developed Index: 30.
8. Corner Burn Test, NFPA 286: Pass.

C. Design:

Specifier Notes: Specify desired "Avant" wall covering patterns and colors. Delete patterns and colors not desired. Consult OMNOVA Solutions for custom patterns and colors.

1. Pattern: Air Stream.
 - a. Color: [Pongee] [Cactus] [Sunbeam] [Linen] [Mushroom] [Smoke] [Buff] [Amaretto] [Flash] [Ginger] [True Blue] [Tabu].
2. Pattern: Align.
 - a. Color: [Alabaster] [Pebble] [Partridge] [Biscuit] [Coconut] [Royalty] [Mint] [Applesauce] [Yucca] [Ice] [Early Grass] [Brown Mustard] [Azure] [Artichoke] [Orange Peel] [Federal Blue] [Black Forest] [Ming].
3. Pattern: Allestra.
 - a. Color: [Nocturne] [Rain Forest] [Zinnia] [Lamplight] [Winter Wheat] [Alabaster] [Vanilla Brandy] [Haze] [Buff] [Cedar Chest] [Mercury] [Cocoa] [Rust] [Delft] [Treebark].
4. Pattern: Connolly.
 - a. Color: [Eggshell] [Hazelnut] [Coffee Bean] [Maize] [Cinnabark] [Spiceberry] [Biscuit] [Pinon] [Valor] [Mercury] [Sapphire] [Zinc].
5. Pattern: Ohzone.
 - a. Color: [Sapphire] [Fennel] [Willow] [Blue Sky] [Sage] [Green Grapes] [Chamois] [Almond] [Cocoa] [Curry] [Pebble] [Sterling] [Butterscotch] [Biscuit] [Platinum] [Ginger] [Charbrown] [Tabu].
6. Pattern: Pinstripe.
 - a. Color: [Sepia] [Nutmeg] [Pinecone] [Almond] [Oatmeal] [Linen] [Sandalwood] [Glazed Pears] [Partridge] [Artichoke] [Brown Mustard] [Sterling] [Jasper] [Cedar Chest] [Onyx].
7. Pattern: Popcircles.
 - a. Color: [Hot Fudge] [Jade] [Mystery] [Orange Peel] [Maize] [Sand Linen] [Platinum] [Arctic] [Light Cocoa] [Onyx] [Majestic Blue] [Soothing Aloe].

8. Pattern: Straight Talk.
 - a. Color: [Frost] [Eggshell] [Champagne] [Oyster] [Sunbeam] [Gold Foil] [Flax] [Aloe] [Sand Trap] [Stucco] [Mesa Verde] [Peppercorn] [Maple Sugar] [Mercury] [Smoky] [Sweet Chocolate] [Rain Forest] [Jet].
9. Pattern: Wykliff.
 - a. Color: [Linen] [Oyster] [Feelin' Blue] [Hazelnut] [Slate] [Skyward] [Early Grass] [Buttercream] [Sand] [Cactus] [Sunbeam] [Beige] [Moss] [Brown Mustard] [Sandalwood] [Ivy] [Ginger] [Cherrywood].
10. Pattern: Zeta.
 - a. Color: [Birch] [Partridge] [Chocolate] [Almond] [Winter Wheat] [Pongee] [Chalkware] [Sunbeam] [Tropical Green] [Cinnabark] [Gold Rush] [Wintergreen] [Ginger] [Topaz] [Moss].

2.3 ACCESSORIES

- A. Primer:
 1. Tinted, permeable, wall primer.
 2. Contain mold inhibitor.
 3. Compatible with wall coverings.
- B. Adhesive:
 1. Heavy-duty, clear-based, permeable, wall covering adhesive.
 2. Contain mold inhibitor.
 3. Compatible with wall coverings.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive wall coverings.
- B. Notify Architect of conditions that would adversely affect installation or subsequent use.
- C. Do not begin surface preparation or installation until unacceptable conditions are corrected.

3.2 SURFACE PREPARATION

- A. Prepare surfaces in accordance with manufacturer's instructions.
- B. Ensure walls are structurally sound, smooth, clean, and dry.
- C. Remove mold, mildew, dirt, oil, grease, stains, and marks.
- D. Repair wall irregularities.
- E. Ensure existing paint or primer has good adhesion to walls.
- F. Test for and eliminate sources of moisture accumulation into wall or wall cavity.

- G. Remove existing wall coverings, including remaining adhesive.
- H. Provide Level 4 wall surface for wall coverings per Section 09255 for Gypsum Board Assemblies.
- I. Apply primer to wall surfaces to receive wall coverings.

3.3 INSTALLATION

- A. Install wall coverings in accordance with manufacturer's instructions.
- B. Test Installation:
 - 1. Install test installation 3 days in advance of main installation.
 - 2. Install a minimum of 3 strips of wall coverings for test.
 - 3. Inspect wall coverings and evaluate appearance for color uniformity and pattern match.
 - 4. Notify Architect and manufacturer if appearance is unacceptable.
 - 5. Do not begin main installation until unacceptable appearance is corrected.
- C. Install wall coverings under adequate lighting conditions.
- D. Install wall covering strips plumb.
- E. Apply adhesive to back of wall coverings in accordance with manufacturer's instructions
- F. Ensure wall coverings have made good contact to wall, with no bubbles.
- G. Seams:
 - 1. Install wall covering seams vertical, with tight fit.
 - 2. Install wall covering seams free from air and paste bubbles.
 - 3. Do not locate seams closer than 6 inches to corners.
 - 4. Obtain uniform color match associated with patterns across seams.
- H. Remove paste residue from wall coverings, ceilings, and baseboards.
- I. Do not install wall coverings over existing wall coverings.
- J. Install wall coverings to obtain uniform color and pattern match across seams.
- K. Install wall coverings with no objectionable variations in color and pattern match, as determined by Architect.
- L. Remove and replace damaged wall coverings that cannot be successfully repaired, as determined by Architect.

3.4 CLEANING

- A. Clean wall coverings promptly after installation, if necessary, in accordance with manufacturer's instructions.
- B. Do not use harsh cleaning materials, solvents, steel wool abrasive cleaners or methods that could damage wall coverings.

3.5 PROTECTION

- A. Protect installed wall coverings from damage during construction.

END OF SECTION