

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 00)

WALL COVERINGS

Specifier Notes: This section covers **ESSEX™** Type II, 20 oz. wallcoverings featuring **RECORE®** Recycled 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 covering.

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-W-408D – Vinyl Wall Covering.
- E. ISO 9001:2000 – Quality Management Systems – Requirements.

- F. NFPA 286 – Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Wall and Ceiling Interior Finish.
- G. USGBC LEED V2.2

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: Green building rating systems often include credit for materials of recycled content. USGBC-LEED™ includes credit for materials with recycled content, calculated on the basis of pre-consumer and post-consumer percentage content, and it included credit for use of salvages/recovered materials.

Green Globes also provides points for reused building materials and components and for building materials with recycled content.

1. Recycled content:

- a. Indicate recycled content; indicate percentage of pre-consumer and post-consumer recycled content per unit of product.
 - b. Indicate relative dollar value of recycled content product to total dollar value of product included in project.
 - c. If recycled content product is part of an assembly, indicate the percentage of recycled content product in the assembly by weight.
- C. Samples: Submit manufacturer's samples of each pattern and color of wall coverings specified, minimum 8 inches by 10 inches.

Specifier Notes: Delete samples if not required.

- 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 MANUFACTURER

- A. OMNOVA Solutions Inc., 175 Ghent Road, Fairlawn, Ohio 44333. Phone (330) 869-4200. Fax (330) 869-4288. Website www.omnova.com. E-mail: wallcoverings@omnova.com.

2.2 WALL COVERINGS

- A. Wall coverings: ESSEX recycled wall coverings with RECORE

1. Compliance: Fed. Spec. CCC-W-408A, B, C and D for Type II wallcoverings.
2. Wallcovering type: Type II, vinyl coated (recycled) nonwoven fabric backed wallcovering
3. Finished width: 54 inches.
4. Inks:
 - a. Water based.

Specifier Notes: Green building rating systems often include credit for materials of recycled content and may distinguish allowable credit for post-consumer and post-industrial (or pre-consumer) recycled content. USGBC-LEED v2.2, for example, factors 100 percent of post-consumer recycled content but only 50% of pre-consumer (post-industrial) recycled content into calculations for its recycled content materials credit. LEED v2.2 grants one credit to a project for using materials with recycled content such that the sum of post-consumer recycled content plus one-half of the post-industrial content constitutes at least 10 percent of the total value of the materials in the project; 10% (post-consumer + ½ post-industrial). It grants an additional point for 20% (post-consumer + ½ post-industrial).

Green Globes also provides points for reused building materials and components and for building materials with recycled content.

5. Recycled content: minimum 30% recycled content including a minimum of 20% post-consumer. Product should be certified by a third party independent laboratory to contain a minimum of 20% post-consumer content.
6. Recyclable: Post-consumer recyclable through manufacturer reclamation program.
7. Certifications:
 - a. GREENGUARD Indoor Air Quality Certified for low VOC emissions.
 - b. Scientific Certification Systems (SCS) certified for 20% post-consumer recycled content.
8. Low VOC emitting:
 - a. meets California 01350 Specification for low VOC emissions.
 - b. GREENGUARD Indoor Air Quality Certified for low VOC emissions.

- B. Physical Properties:

1. Finished total weight: Fed. Spec. CCC-T-191b 5041.
 - a. 20 oz. per linear yard (620 g/linear m).
 - b. 13.3 oz. per square yard (451 g/m²).
2. Vinyl weight: 10.64 oz/ square yard.
3. Backing fabric weight: 2.66 oz. / sq. yard
4. Backing Type: 100% recycled polyester nonwoven.
5. Tensile breaking strength, Fed. Spec. CCC-T-191b 5100, 50 lbs. by 55 lbs. (222 N by 245 N): 131 lbs. by 134 lbs. (583 N by 596 N).
6. Tear strength, Fed. Spec. CCC-T-191b 5132, Minimum 25 x 25 Scale Reading.
7. Scrubbability Test, ASTM D 2486, 2,500 Cycles: No damage to finish or print.

8. Surface burning characteristics, ASTM E 84, on Type X gypsum board: Class A.
 - a. Flame Spread Index: 20.
 - b. Smoke Developed Index: 115.
9. Corner burn test, NFPA 286: Pass.

C. Design:

Specifier Notes: Specify desired ESSEX wall covering patterns and colors. Consult ESSEX wallcovering distributor for patterns and color names.

1. Pattern: Insert pattern name.
 - a. Color: Insert color name.

2.3 ACCESSORIES

- A. Primer:
1. Contain mold inhibitor.
 2. Compatible with wall coverings.
- B. Adhesive:
1. Heavy-duty, clay based, wall covering adhesive.
 2. Contain mold inhibitor.
 3. Compatible with wall coverings.
 4. Use undiluted.

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. 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