

SECTION 06 0630
DECORATIVE PLASTIC LAMINATE RESURFACING

This Section specifies “Wilsonart® RE-COVER^{1M} Laminate produced by Wilsonart. RE-COVER is the preferred product for flatwork resurfacing on fine quality residential and contract furniture, fixtures, and casework. Architectural applications include wainscoting, valances, cornices, interior doors, and divider systems. RE-COVER is available in the full range of Wilsonart solid colors and patterns. Wilsonart is the largest and most-recognized manufacturer of laminates in the United States with a substantial presence in the global marketplace.

Wilsonart RE-COVER Laminate is a self-adhesive High Pressure Laminate designed for resurfacing over an existing High Pressure Decorative Laminate or Low Pressure Laminate (melamine) surface. Other suitable substrates include particleboard, medium density fiberboard, plywood, and sanded paint and stain surfaces. RE-COVER may be installed on flat surfaces in both vertical and horizontal applications.

Wilsonart® Laminates contribute to LEED-NC and LEED-CI points in several categories and have attained UL GREENGUARD Gold Certification and SCS Gold Certification for low indoor air chemical emissions into indoor air during product usage.

Section Editing: Informational notes will appear as “Editing Note” text boxes throughout this Section. Bracketed bold text will require a selection to be made or information to be inserted.

PART 1 - GENERAL

1.01 SECTION INCLUDES

EDITING NOTE: Revise listing to suit Project requirements.

- A. Vertical Surface Decorative Laminates.
- B. High Definition Laminates.
- C. Virtual Design Library Laminates.
- D. Wilsonart x You Laminates.
- E. Decorative Edges and Edgebands.
- F. Accessory Materials.

1.02 RELATED REQUIREMENTS

EDITING NOTE: Section listings below are common references and based on the broadly accepted CSI MasterFormat® for Section numbers and titles. Revise to suit requirements for particular project.

- A. Section 01 3000 - Submittals.
- B. Section 06 0620 - Decorative Plastic Laminate.
- C. Section 06 4116 - Plastic-Laminate-Clad Architectural Cabinets.

- D. Section 06 4219 - Plastic-Laminate-Clad Wood Paneling.
- E. Section 08 1423.16 - Plastic-Laminate-Faced Wood Doors.
- F. Section 10 2113.16 - Plastic-Laminate-Clad Toilet Compartments.
- G. Section 12 3530.13 - Kitchen Casework.
- H. Section 12 3623.13 - Plastic-Laminate-Clad Countertops.

1.03 REFERENCES

EDITING NOTE: Revise Reference Standards to suit Project requirements.

- A. Reference Standards:
 - 1. AWI: Architectural Woodwork Institute.
 - 2. AWS: Architectural Woodwork Standards.
 - 3. FSC: Forest Stewardship Council.
 - 4. ISO: International Organization for Standardization.
 - 5. ISO 9001: Quality Management Systems.
 - 6. ISO 14001: Environmental Management Systems.
 - 7. KCMA A161.1: Performance & Construction Standard for Kitchen and Vanity Cabinets.
 - 8. LEED: Leadership in Energy and Environmental Design.
 - 9. NEMA LD-3: High Pressure Decorative Laminates.
 - 10. OHSAS: Occupational Health and Safety Assessment Series.
 - 11. OHSAS 18001: Occupational Health and Safety Management Systems.
 - 12. SCAQMD Rule 1168: Adhesive and Sealant Applications.
 - 13. SCS: SCS Global Services.
 - 14. UL 2818: GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings.

1.04 SUBMITTALS

- A. Submit under provisions of Section 01 3000 - Submittals.
- B. Product Data: Submit the following:
 - 1. Product data for each specified product. Include manufacturer's technical data sheets and published instruction instructions.
 - 2. Safety Data Sheets (SDS).
- C. Shop Drawings: Fully dimensioned shop drawings showing layouts and components, including edge conditions, joinery, terminating conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details. Indicate color, pattern, and finish selections.
- D. Samples: Selection and verification samples for each color, pattern, and finish required.

- E. Quality Assurance Submittals:
 - 1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties, if required.
 - 2. LEED Submittals: Applicable LEED documentation for potential credits specified in this Section.
- F. Maintenance Data: Manufacturer's published maintenance manual with closeout submittals.

1.05 REGULATORY REQUIREMENTS

- A. Adhesives, Sealants, and Sealant Primers:
 - 1. SCAQMD (South Coast Air Quality Management District) Rule 1168 for VOC content.
 - 2. Ozone Transport Commission (OTC) model Rule for Adhesives and Sealants.

1.06 QUALITY ASSURANCE

- A. Qualifications:
 - 1. Manufacturer Qualifications: Manufacturer producing products in an ISO 9001, ISO 14001, and OHSAS 18001 certified facility.
 - 2. Fabricator Qualifications: Minimum of three years documented experience in fabricating decorative plastic laminates similar in scope and complexity of this Project.
 - 3. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project. **[Installer shall be the fabricator].**

EDITING NOTE: Following two LEED paragraphs list potential credits according to LEED 2009 for New Construction & Major Renovations (LEED-NC) and LEED 2009 for Commercial Interiors (LEED-CI). Coordinate with designated Project LEED AP for credits applicable to Project.

- B. LEED 2009 rating system potential credits for plastic laminate:
 - 1. **[LEED-NC] [LEED-CI]** MR Credit 4 - Recycled Content.
 - 2. **[LEED-NC] [LEED-CI]** MR Credit 5 - Regional Materials.
 - 3. **[LEED-NC] [LEED-CI]** MR Credit 6 - Rapidly Renewable Content.
 - 4. **[LEED-NC] [LEED-CI]** MR Credit 7 - Certified Wood.
 - 5. **[LEED-NC] [LEED-CI]** IEQ Credit 4.4 - Low-Emitting Materials - Composite Wood and Agrifiber Products.
 - 6. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.
- C. LEED 2009 rating system potential credits for Wilsonart® Adhesives:
 - 1. **[LEED-NC] [LEED-CI]** IEQ Credit 3.2 - Construction Indoor Air Quality Management Plan - Before Occupancy.
 - 2. **[LEED-NC] [LEED-CI]** IEQ Credit 4.1- Low Emitting Materials - Adhesives and Sealants.
 - 3. **[LEED-NC] [LEED-CI]** IEQ Credit 4.4 Low-Emitting Materials - Composite Wood and Agrifiber Products.

4. LEED-CI IEQ Credit 4.5 - Low-Emitting Materials, Systems Furniture and Seating.

D. Mock-Up:

EDITING NOTE: Select mock-up size option. Delete entire paragraph if mock-up is not a Project requirement.

1. Install at Project site using acceptable products and manufacturer approved installation methods. Obtain Architect's acceptance for color, pattern, finish, fabrication, and installation standards.
2. Mock-Up Size: [] by [].
3. Mock-Up Size: Indicated on Drawings.
4. Mock-Up Location: **[Indicated on Drawings] [As directed by Architect]**.
5. Maintain mock-up during construction for fabrication and installation comparison. If required, remove and legally dispose of mock-up when no longer required.
6. Incorporation: If permitted by Architect, mock-up may be incorporated into as part of the completed Work.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Storage and Protection: Store plastic laminate materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer. Store plastic laminate sheet materials flat on pallets or similar rack-type storage to preclude damage; adhesive side facing down.
- B. Disposal of Waste Materials: Dispose of waste cleaner, empty containers, and cleaner-soaked rags according to governing regulations and authorities having jurisdiction. Do not permit waste materials at any time to enter sewers or any body of water, or contact ground surfaces.

1.08 PROJECT CONDITIONS

- A. Environmental Requirements: Ensure appropriate acclimatization between plastic laminate and substrate prior to fabrication. Condition plastic laminate and substrate surfaces in the same environment for 48 hours prior to fabrication. Condition at approximately 75 deg F (24 deg C) and 50 percent relative humidity.
 1. Do not apply plastic laminate if the laminate surface temperature or application substrate temperature is below 50 deg F (10 deg C).
- B. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

PART 2 - PRODUCTS

WILSONART CONTACT INFORMATION: Wilsonart, 2501 Wilsonart Drive, Temple, TX 76503-6110. Tel. 254.207.7000, Toll-Free 800.433.3222, Fax 254.207.3209.
Website: www.wilsonart.com

2.01 MANUFACTURER

- A. Basis of Design: Wilsonart.

EDITING NOTE: Refer to the **Laminate Design Detail Page** on the Wilsonart website for complete information on laminate properties, including applicable sustainable design conformance standards, compliance with additional standards, physical performance properties, and available sheet sizes.

2.02 LAMINATE PROPERTIES

- A. Laminate Composition: Decorative surface papers impregnated with melamine resins and pressed over kraft paper core sheets impregnated with phenolic resin. Sheets then bonded together under pressures greater than 1,000 lbs. per sq. in. and high temperatures approaching 300 deg F (149 deg C). Finished sheets trimmed and backs sanded to facilitate bonding to substrate.
- B. Sustainable Design Conformance Standards:
1. UL 2818 GREENGUARD Gold Certified.
 2. SCS Certified Indoor Air Quality Advantage™ Gold Certified.
 3. SCS Chain of Custody Certified for FSC® Mix, FSC Controlled Wood.
 4. SCS Recycled Content Certified.

2.03 VERTICAL SURFACE LAMINATES

- A. Product: "Wilsonart® RE-COVER™ Laminate Type 735."
1. Sheet Thickness: 0.032 inch nominal.
 2. Sheet Width: 36, 48, and 60 inches.
 3. Laminate Conformance Standard: NEMA LD 3, Grade VGS.
 4. Applications: Vertical surfaces only. **[For radiused applications, a minimum radius of 7 inches is required.]**
 5. Edging: Self-edged.
 6. Color, Pattern, and Finish: [_____].

EDITING NOTE: If color, pattern, and finish are not specified above, delete and select one of the following options.

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
 8. Color, Pattern, and Finish: Indicated on Drawings.
 9. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.
- B. Product: "Wilsonart® RE-COVER™ Chalkboard Type 737."
1. Sheet Thickness: 0.049 inch.
 2. Sheet Width: 48 inches

3. Total Weight: 0.371 lbs. per sq. ft.
4. Finish Conformance Standard: AAMA 611, AA-M12C22A42/A44, Class I.

EDITING NOTE: Select from one of the following color options.

5. Color: **[Graphite Nebula]**.
6. Color: Specified in SCHEDULE Article of this Section.
7. Color: Indicated on Drawings.
8. Color: Selected from manufacturer's standard offerings.

C. Product: "Wilsonart® RE-COVER™ Decorative Metals Type 480."

1. Decorative Metal Series: Type 415/419, Metro Collection and Color Anodized.
2. Sheet Thickness: 0.035 inch.
3. Sheet Width: 48 inches
4. Total Weight: 0.402 lbs. per sq. ft.
5. Finish Conformance Standard: AAMA 611, AA-M12C22A42/A44, Class I.

EDITING NOTE: Select from one of the following color options.

6. Color: **[Matte Pewter] [Matte Grey Bronze] [Matte Gunmetal Grey] [Oiled Bronze] [Satin White Bronze] [Satin Brushed Nickel] [Matte Natural Aluminum] [Brite Brushed Natural Aluminum] [Satin Brushed Natural Aluminum] [Alumasteel] [Satin Brushed Smoke Aluminum] [Satin Brushed Gold Aluminum] [Satin Brushed Copper Aluminum] [Satin Brushed Black Aluminum] [Satin Brushed Lite Bronze Aluminum] [Satin Brushed Medium Bronze Aluminum]**.
7. Color: Specified in SCHEDULE Article of this Section.
8. Color: Indicated on Drawings.
9. Color: Selected from manufacturer's standard offerings.

2.04 VIRTUAL DESIGN LIBRARY (VDL) LAMINATES

EDITING NOTE: Reach beyond the wallboard with Wilsonart's Virtual Design Library. From photorealistic imagery to abstract and artistic graphics, our expanded design library offers a growing selection of exclusive laminate patterns to fit your needs. This ever-growing online collection offers hundreds of additional designs.

A. Product: "Wilsonart® Virtual Design Library Laminate."

EDITING NOTE: Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.

B. Enhanced Laminate Performance: Laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion performance.

C. Vertical Surface Type: **[“Wilsonart Type 762”] [“Wilsonart Type 767”]**.

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 and 60 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
4. Applications: Vertical surfaces only.
5. Edging: Self-edged.
6. Color, Pattern, and Finish: [_____].

EDITING NOTE: If color, pattern, and finish not specified above, delete and select one of the following options.

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
8. Color, Pattern, and Finish: Indicated on Drawings.
9. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

2.05 WILSONART x YOU (WxY) LAMINATES

EDITING NOTE: "Wilsonart x You" creates a unique sheet of laminate from your digital artwork. Available in a range of sizes and product types, this process enables designers to create a custom laminate with no minimum order. For file formats and other specifications, visit us online.

- A. Product: "Wilsonart® x You Laminate."

EDITING NOTE: Not all finishes are available with AEON™ Enhanced Performance Technology. If AEON™ not required, delete the following paragraph.

- B. Enhanced Laminate Performance: Laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion performance.

- C. Vertical Surface Type: [**"Wilsonart Type 764"**].

1. Sheet Thickness: 0.032 inch nominal.
2. Sheet Width: 48 and 60 inches.
3. Laminate Conformance Standard: NEMA LD 3, Grade VGP.
4. Applications: Vertical surfaces only.
5. Edging: Self-edged.
6. Color, Pattern, and Finish: [_____].

EDITING NOTE: If color, pattern, and finish not specified above, delete and select one of the following options.

7. Color, Pattern, and Finish: Specified in SCHEDULE Article of this Section.
8. Color, Pattern, and Finish: Indicated on Drawings.
9. Color, Pattern, and Finish: Selected from manufacturer's full range of available selections.

2.06 HORIZONTAL HIGH DEFINITION LAMINATES

- A. Product: "Wilsonart® RE-COVER™ HD® High Definition® Laminate, Type 776."

EDITING NOTE: All High Definition laminates with premium finishes are manufactured with AEON™ Enhanced Performance Technology.

- B. Enhanced Laminate Performance: Laminate with AEON™ Enhanced Performance Technology for increased surface wear resistance and surface abrasion.

- C. Sheet Thickness: 0.043 inch nominal.

- D. Sheet Width: 36, 48, and 60 inches.

- D. Laminate Conformance Standard: NEMA LD 3, Grade HGL.

EDITING NOTE: Wilsonart RE-COVER Laminate is NOT recommended for kitchen countertops adjacent to ranges or surface cooktops where temperatures may exceed 150 deg F (66 deg C). Suitable installations are kitchen islands, bath vanities, and utility/work rooms.

- E. Applications: Horizontal postformed surfaces.
- F. Edging: Self-edged.
- G. Finish: **[Mirage -35] [Facet -45] [Glaze -55]**.
- H. Color and Pattern: [_____].

EDITING NOTE: If color and pattern are not specified above, delete and select one of the following options.

- I. Color and Pattern: Specified in SCHEDULE Article of this Section.
- J. Color and Pattern: Indicated on Drawings.
- K. Color and Pattern: Selected from manufacturer's full range of available selections.

2.07 ACCESSORY MATERIALS

- A. Substrate Repair Materials: Following products are acceptable for repairing damaged high pressure decorative laminate or wood substrates:
 - 1. J-B Weld[®] WoodWeld.
 - 2. Elmer's[®] Carpenter's[®] Wood Filler.
 - 3. Bondo[®] All-Purpose Putty.

EDITING NOTE: Select cleaning materials and self-edging adhesive material(s) to be used for the project. Refer to the **Laminate Design Detail Page** on the Wilsonart website for

- B. Substrate Cleaning Materials: Following products are acceptable; do not use a cleaner that will leave an oily residue and do not use to thin adhesive products:
 - 1. Wilsonart[®] 110 Adhesive Solvent.
 - 2. Wilsonart[®] 121 Adhesive Cleaner.
 - 3. Wilsonart[®] 130 Low VOC Adhesive Solvent.
 - 4. Wilsonart[®] 131 Adhesive Cleaner. OTC compliant.
 - 5. Wilsonart[®] 131A Adhesive Cleaner Aerosol. OTC compliant.
 - 6. Windex[®] with ammonia.
 - 7. Non-proprietary acetone, isopropyl alcohol, or denatured alcohol cleaning material.
- C. Self-Edging Adhesive: Wilsonart[®] 30 PVA Yellow Wood Glue.

PART 3 - EXECUTION

3.01 EXAMINATION

EDITING NOTE: Acceptable substrates for bonding Wilsonart Laminates are particleboard, medium density fiberboard, plywood with one A face, previously bonded high pressure decorative laminate, or low pressure laminate (melamine board), latex painted surfaces, and wood stained or varnished surfaces. Unsuitable substrates are plaster, concrete, gypsum board, polypropylene, polyethylene, polystyrene, and powder-coated surfaces.

- A. Examine surfaces for conditions that could adversely affect the performance of the decorative plastic laminate installation, including edge performance.
- B. Surfaces to be adhesively bonded shall be clean, dry and free of any dust, loose paint, wax, moisture, dirt, grease, oil, rust, or other contaminants.
- C. Commencement of work will constitute acceptance of existing conditions and surfaces to receive the work.

3.02 PREPARATION

- A. Substrate Repairs: Restore damaged substrates with specified repair materials. Sand and clean all repaired areas prior to applying resurfacing laminate.
 - 1. If bonding to a painted, stained, or varnished wood or wood veneer substrate, sand surface smooth with #80 or #100 grit sandpaper. Remove all dust with a damp cloth. Allow to thoroughly dry.
 - 2. If bonding a flat self-edge to an exposed substrate edge, the bonding surface will require a skim coat of the specified substrate material.
- B. Substrate Cleaning: Substrates to receive resurfacing laminate must be clean and free of residue. Use one of the specified cleaning materials and allow proper dry time.

3.02 INSTALLATION, GENERAL

- A. Install materials according to referenced Specification Sections and the following conformance standards as applicable:
 - 1. AWI AWS.
 - 2. KCMA A161.1.
- B. To avoid stress cracking, do not use square-cut inside corners. All inside corners to have a minimum 1/8 inch radius and all edges routed smooth.
- C. Drill oversized holes for screws, bolts, and similar fasteners. Slightly countersink fasteners into face side of laminate-clad substrate.
- D. Use carbide-tipped saw and router blades for cutting, with high tool speed and low feed speed. Keep cutting blades sharp. Use appropriate hold-downs to prevent vibration. Blades must cut into non-decorative side of laminate (adhesive side).

3.03 RESURFACING LAMINATE INSTALLATION

- A. Comply with resurfacing laminate manufacturer's printed installation instructions.

- B. Prior to installation, and before removing peel sheet that covers laminate adhesive, dry fit laminate to substrate. After peel sheet is removed, apply uniform bonding pressure (30 to 40 psi minimum) over the entire bonded surface, using an approved roller.
 - 1. Resurfacing laminate is NOT repositionable. Any attempts to reposition the laminate will result in inadequate bonding.
- C. Where self-edging is required, comply with resurfacing laminate manufacturer's printed installation instructions, including recommended adhesive.

3.05 CLEANING AND PROTECTION

- A. Clean decorative plastic laminate according to manufacturer's printed care and maintenance instructions.
- B. Protect installed products and finish surfaces from damage during remainder of construction period.

3.06 SCHEDULE

OPTION: Color, Pattern, and Finish Schedule may be inserted here if this option is chosen.

END OF SECTION 06 0630