

Jemiclad

CSI Specifications for Jemiclad Hygienic Wall

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Jemiclad Commercial Hygienic Vinyl Wall
Covering RIGID-SHEET VINYL WALL
COVERING
(Commercial Vinyl Wall Covering)

PART 1 GENERAL

****Specifier Note: List significant generic types of products, work or requirements****

1. Section Includes

- A. This section includes labor, materials and other services necessary to complete vinyl wall coverings.
- B. Conform with requirements of all Sections of Division 1, General Requirements, as it applies to the work of this Section.

2. Related Sections

****Specifier Note: List statements that draw the reader's attention to other specification sections dealing with work directly related to this section. ****

- A. Section 03300 - Cast-in-Place Concrete: Concrete finishing.
- B. Section 06100 - Rough Carpentry: Plywood floorsheathing.
- C. Division 7 - Thermal and Moisture Protection.
- D. Division 15 - Mechanical.

****Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Division 1 References Section may establish the edition date of standards. This Article does not require compliance with standard but is merely a listing of references used. Article below should list only those industry standards referenced in this section. ****

3. References

- A. General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.
- B. ASTM E 84-05 Standard Test Method for Surface Burning Characteristics of Building Materials. CLASS A

4. System Description

- A. Performance Requirements: Provide Jemiclad hygienic wall covering which has been manufactured by Jemiclad and installed to maintain performance criteria stated by manufacturer without defects, damage or failure.

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5. Submittals

****Specifier Note: Include requests for relevant data to be furnished by the contractor, before during or after construction. ****

- A. Product Data: Submit manufacturer's current printed product literature, specifications, installation instructions, and field reports in accordance with Section 01330 - Submittal Procedures.
- B. Shop Drawings: Submit shop drawings to indicate materials, details, and accessories in accordance with Section 01330 - Submittal Procedures including but limited to the following:
 - 1. Submit a layout diagram indicating the location of each panel and joining method, if required. (usually determined by site conditions and a Jemiclad certified elite installer).
- C. Samples: Submit duplicate sample pieces of Jemiclad material, as well as accessory pieces in accordance with Section 01330 - Submittal Procedures.
- D. Quality Assurance Submittals: Submit the following:
 - 1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
 - 2. Manufacturer's Instructions: Current published manufacturer's installation and maintenance instructions.

****Specifier Note: Coordinate paragraph below with Part 3 Field Quality Requirements Article herein. Retain or delete as applicable. ****

- 3. Manufacturer's Field Reports: Specified herein.
- E. Closeout Submittals: Submit the following:
 - 1. Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operation Data) Section. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.
 - 2. Warranty: Warranty documents specified herein.

****Specifier Note: This Article should include standards, limitations and criteria which establish an overall level of quality for products and workmanship for this section. Coordinate with Section 01430 - Quality Assurance. ****

6. Quality Assurance

- A. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
 - 1. Training: Installer who has attended a Jemiclad installation course.

****Specifier Note: Retain paragraph below for erected assemblies required for review of construction, coordination of work of several sections, testing or observation of operation. ****

- C. Mock-ups: If required, install at project site a job mock-up using acceptable products and manufacturer approved installation methods. Obtain Owner's and Consultant's acceptance of finish color, texture and pattern, and workmanship standards.

****Specifier Note: Edit paragraph below to specifying mock-up size. ****

Mock-Up Size: [Specify mock-up size].

Maintenance: Maintain mock-up during construction for workmanship comparison; remove and legally dispose of mock-up when no longer required.

Incorporation: Mock-up may be incorporated into final construction upon Owner's approval.

****Specifier Note: Describe requirements for meetings to coordinate materials and techniques, and to sequence related work. ****

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- D. Pre-installation Meeting: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions and manufacturer's warranty requirements.

****Specifier Note: This Article should include special and unique requirements. Coordinate with Sections 01650 - Product Delivery Requirements or Section 01660 - Product Storage and Handling Requirements. ****

7. Delivery, Storage and Handling

- A. Deliver, store and handle Jemiclad wall panels in accordance with Section 01610 - Basic Material Requirement.
- B. When ordering comply with the supplier's ordering instructions taking into account the lead time requirements to avoid construction delays.
- C. Where possible, deliver materials in manufacturer's original, unopened, undamaged packaging with any ID labels intact. Inspect the delivery upon receipt to ensure no replacement materials are required.
- D. Store materials inside away from the effects of the weather conditions, at temperature and humidity conditions recommended by manufacturer.
- E. Store panels in temperature-controlled environments. Leave protective film on panel until the installation is complete and for as long as possible during the construction phase to minimize the possibility of damage.
- F. Panels and accessories should always be stored flat and fully supported.

8. Waste Management and Disposal

****Specifier Note: Include information that will assist the contractor in dealing with the disposal of construction waste materials in ways other than using landfill resources. ****

- A. Jemiclad is 100% recyclable, so should be disposed of in the correct on site recycling container.
- B. Deposit all packaging materials in appropriate on site containers for recycling, or where possible reuse.
- C. Avoid using landfill waste disposal procedures when recycling facilities are available.
- D. Keep all waste packaging away from children and animals.

9. Project Conditions

- A. Storage temperature must be a minimum of 65F (14⁰C), if required heaters must be put in place or the Jemiclad wall panel must be moved to a warmer place and allowed to reach this temperature before installation. For further information, refer to current Installation Guide.
- B. Temperature Requirements: All installation areas should be a minimum of 65F (14⁰C). Where possible Jemiclad should be installed at the same temperature to which the area will be once in use.
- C. Maintain air temperature and structural base temperature at installation area between 65F and 80F (14⁰C – 26C) for 48 hours before, during and 24 hours after installation.

****Specifier Note: Coordinate Article below with Conditions of the Contract and with Division 1 Closeout Submittals (Warranty) Section. ****

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10. Warranty

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Installation Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.

****Specifier Note: Coordinate paragraph below with manufacturer's warranty requirements. All Jemiclad walling products are sold with a limited product warranty. The length of warranty is defined by the manufacturing process, the thickness of the product and the expected conditions for the specific product. Under normal use and service, Jemiclad walling products are warranted to be free from defects in materials and workmanship within the specified term after the installation date, when installed and maintained in accordance with Jemiclad's recommendations. Jemiclad has a 20-Year warranty. ****

- C. Warranty Period for Jemiclad shall be 20 years commencing on Date of Completion.

11. Extra Material Requirements

- A. Provide extra materials of product and adhesives in accordance with Section 01780 - Closeout Submittals.
- B. Provide [_____]sqft ([_____]m2) of each color, pattern and type material required for project for maintenance use.
- C. Provide [_____]sqft ([_____]m2) of extra materials in one piece and from same production run as installed materials.
- D. Clearly identify each wall panel and each container of adhesive.
- E. Deliver to Consultant, upon completion of the work of this section and store where directed.

PART 2 PRODUCTS

****Specifier Note: For information on Jemiclad wall system, contact Jemiclad directly to obtain information and assistance. ****

1. Manufacturer

Manufacturer: Jemiclad

- 1. Unit X1, Rudford Industrial Estate, Ford, West Sussex, BN18 0BF 2.
+44 1903 722522
- 3. E-mail: sales@Jemiclad.co.uk Web Site: www.Jemicladusa.com.

2. Hygienic Wall Covering

****Specifier Note: Jemiclad is 100% pure vinyl, extruded, semi-rigid PVCu sheet. Jemiclad contains no plasticizers or fillers. Jemiclad is homogenous. ****

****Specifier Note: Select material to suit project requirements. ****

Acceptable material: Jemiclad (measurements and product weights given below are approximate):

- 1. Dimensions: 2.5mm x 8'2" x 4'; Weight 25 LBS
- 2. Dimensions: 2.5mm x 9'9" x 4'; Weight: 29 LBS

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3. Accessories

- A. Vinyl welding rod: Acceptable material:
 - 1. Jemiclad weld rod (colour matched if required)
- B. Trims:
 - 1. 2-Part Joint Trim
 - 2. Stop Start Trim
 - 3. Vinyl Transition Trim
 - 4. Internal and External Angles
- C. Stainless Steel Accessories:
 - 1. Stainless Steel Corner Protector –
- D. Jemifix Waterbased Adhesive: Jemifix Waterbased adhesive should be applied using a 3mm notched trowel, and can be used plasterboard/drywall, ply, mdf and OSB, plaster and cement render. It cannot be used on moisture resistant substrates.
- E. Jemifix Two Part Adhesive: The standard adhesive for most installations, suitable for wet area, non-climate controlled areas, and non-absorbent surfaces, use JemiFix two-part resin-based polyurethane adhesive as recommended by the manufacturer.
- F. Caulking and Mastic Compounds and Tools:
 - 1. Jemiclad Mastic /Caulking

4. Source Quality

Obtain all Jemiclad products from an authorized supplier or manufacturer.

PART 3 EXECUTION

1. Manufacturer's Instructions

- A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog, installation instructions and product label instructions for installation.

2. Examination

- A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

3. Substrates

- 1. Walls should be smooth and level. High points must be sanded down and low points filled with manufacturers recommended filler for the substrate and environmental conditions.
- 2. Wall tiles must be fixed firmly to the wall. As long as the tile edges do not protrude you do not have to skim grout joints.
- 3. Surfaces must be permanently dry and free from all substances that may contribute to adhesive bond failure.
- 4. Remove loose paint and conduct an adhesive bond test with paint.
- 5. Exterior walls must be adequately damp-proofed and insulated.
- 6. Dry wall substrates should be paint ready.
- 7. All substrates should be flat 6' in all directions. Maximum tolerance is under 1/8"

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4. Preparation

1. All surfaces must be free from dust and cleaned prior to installation. The working environment must also be dust free. Failure to comply with these conditions will reduce the bond strength between the adhesive and substrate, and may cause the paneling to fail.
2. Very absorbent / porous substrates (particularly plaster finishes and unprimed sheetrock) must have a proprietary sealer e.x. PVA primer or similar, applied to the surface a minimum of 12 hours prior to the installation.
3. All electrical switches, power points etc., should be in a first fix / installation state. All electrical equipment should only be handled by a qualified electrician.
4. If fitting to door frames, these must be in place prior to installation of Jemiclad.
5. Prior to installation, it is advisable to complete any painting which may come in contact with Jemiclad as sealant used at junctions is non-paintable.
6. Panels should be stored flat and be pre-conditioned a minimum of 24 hours in ambient temperatures similar to the prevailing operational conditions.
7. The panels must be stored on a level flat surface off the ground particularly in humid environments. Storage on uneven surfaces could cause the panels to distort.
8. Inspect installation area using a 6' level to ensure all walls are flat, paying particular attention to the corners, window reveals, and door entrances. These need to be inspected to ensure they are free of any debris or irregularities, which could prevent the panels laying flat to the substrate after the adhesive has been applied and the panel installed if applicable.

*****Specifier Note: Coordinate Article below with manufacturer's recommended installation details and requirements. *****

5. Installation

- A. Hygienic Wall Installation: Install Jemiclad in accordance with the current published Jemiclad Installation Guide. All joints should be joined by approved methods as detailed in the installation guide. Failure to install Jemiclad in accordance with recommended procedures will void the Jemiclad Product Warranty.

*****Specifier Note: Coordinate Article below with Division 1 Quality Assurance and Quality Control Sections. *****

6. Field Quality Requirements

*****Specifier Note: Establish number and duration of periodic site visits with Owner and supplier and specify below. Consult with supplier for services required. Coordinate paragraph below with Division 1 Quality Assurance Section and Part 1 Quality Assurance Submittals herein. Delete if manufacturer's field service not required. *****

- A. Manufacturer's Field Services: Upon Owner's request, provide supplier's field service consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

1. Site Visits: [Specify number and duration of periodic site visits.]

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7. Cleaning

Manual & Weekly

1. Wash with Jemic Buddy Plus or a diluted detergent solution, ensuring you follow the detergent manufacturer's dilution instructions.
2. Do not use abrasive cleaners, wire wool or pads. Recommended media is soft cloth

Pressure Cleaning & Sterilisation

Sterilisation solutions may be used ensuring you follow the manufacturer's instructions.

Pressure cleaning with a hot water lance (provided the temp does not exceed 60oc) may be carried out with the nozzle a minimum of 2ft from the cladding surface. Do not purposely direct the high-pressure water into trimmed joints as this may cause them to disconnect.

Heavy Staining

We recommend cleaning heavy and stubborn stains with Jemiclean or an equivalent alkaline based cleaning product.

Dust Heavy Areas

Where Jemiclad is installed in particularly dusty environments such as building sites, we recommend the application of antistatic solution or use of antistatic wipes.

Tips

Refer to manufacturers maintenance instructions

Develop a regular cleaning regime, particularly in heavy traffic areas, or hygiene sensitive areas.

Use the recommended cleaning products where possible, and ensure regardless of what product you use, you follow the manufacturer's instructions and read the MSDS and COSHH where applicable.

8. Protection

During following installation leave the Jemiclad protective film on the panels for as possible during the construction stage, in high traffic areas where machinery or mobile access equipment is present, we recommend protecting with Masonite or greater.

Do not install near open heat sources (ovens, etc). Where temperatures are likely to exceed 60 °C Stainless steel panels should be installed.

END OF SECTION