

DIVISION _____

Specification Section # _____

GRIDLOCK™ ULTRA CLEAN II B WALL PANEL SYSTEM

PART 1 GENERAL

Furnish and install the GridLock™ Ultra Clean II B Wall Panel System as described in this Section. Drawings and General Provisions of Contract, including General and Supplementary Conditions and Division 1 Specifications apply to work in this section.

1.1 RELATED WORK: (NOTE TO SPECIFIER: Include appropriate detail drawings and information pertinent to the specific project.)

1.2 SUBMITTALS

1.2.1 Submit # _____ samples of the materials to be used to show joining details as well as final panel finish.

1.2.2 All parties wishing to have materials considered as equals for this project must submit such materials for evaluation to the design professional at least 10 (ten) days prior to bid date. Bidders not complying with this requirement will be considered non-responsive.

1.3 QUALITY ASSURANCE

1.3.1 Provide Single Source responsibility for the supply of all finish materials used in the installation.

1.3.2 A Contractor that has been certified by Manufacturer must perform installation.

1.4 DELIVERY, HANDLING AND STORAGE

1.4.1 Deliver materials packaged so that materials are clearly marked and identifiable showing the following:

- A) Product Name
- B) Manufacturer's Name
- C) Component Designation

1.4.2 Handle Materials by methods to prevent damage

1.4.3 Inspect direct job-site deliveries to assure that quantities are correct and that materials comply with specifications and are not damaged.

1.4.4 Replace, at no cost to owners, materials that are found defective either in manufacture, handling or storage.

1.4.5 Store materials on site at the final installation temperature for at least 24 hours prior to, during, and after installation.

1.5 WARRANTY

1.5.1 Provide a limited 10 year warranty for materials and installation against any defects in manufacturing and workmanship.

Life Science Products, Inc. Technical Specification
GridLock™ Ultra Clean II B Wall Specification

1.6 JOB CONDITIONS

- 1.6.1 A Representative of the Manufacturer shall visit the job-site with the Contractor prior to installation to insure that field conditions are acceptable for installation.
- 1.6.2 For 24 hours before, during the installation, and for 72 hours after the installation, maintain temperature and relative humidity at in-service conditions.

PART 2 PRODUCTS

For the purposes of this specification, GridLock™ Ultra Clean II B Wall Panel System by Life Science Products, Inc. (800-638-9874) is used as the standard.

2.1 MATERIALS

- 2.1.1 System Overview: The system as specified shall consist of components manufactured from synthetic materials having physical properties as specified in Section 2.1.3 below. Panels shall have a gloss finish.
- 2.1.2 Panels: The panels shall be a Composite Fiberglass panel with a gloss finish free of surface imperfections, be smooth but will show a minor fiberglass translation. The face of the panel shall be Class 1 fire rated Halogenated Polyester resins mounted on a composite fiber backing. The final thickness of the panel shall be 9 mm. The system is designed to be mounted in gyp or other board substrates, not intended to mount directly to studs.
- 2.1.3 The panels shall have the following properties:
 - Fire Rating: **Class 1 ASTM E 84 for flame spread of 25 or less**
 - Light Reflectance: **@85:94.3**
 - Minimum Weight: **2.0 lbs. per square foot**
 - Finish: **Polyester gel coat : smooth with visual translation**
 - Standard Sizes: **4' X 8' and 4' x 10' (Panels can be cut to custom sizing if required)**

Panel thickness: **9 mm**
Hardness: **46 Barcol**
Color: **White**
Finish: **Gloss**
Joint: Clean Room

PART 3 EXECUTION

- 3.0.1 Apply adhesive of type recommended by Manufacturer to entire back of panel, all the way to edges, prior to installation of the panel. Follow Manufacturers recommendations for application and "open times" of the adhesive. The wall surface shall be in paint ready condition. Apply adhesive to the panels and secure panels as described below leaving a 1/8" space between the panels..
- 3.0.2 Panels are to be mounted against the substrate and held in place until the adhesive cures.
- 3.0.4
- 3.0.3 Apply protective tape along the joint edges and fill the joint with silicone caulk recommended by the manufacturer and strike the joint smooth. Remove the tape before the caulk cures.
- 3.0.4 Mount the joint batten to the panel using silicone adhesive to secure the batten. Once the adhesive has cured, apply the caulk to the vertical edges of the batten to form a clean seal.
- 3.0.5 Finish all the inside corners with a composite 3" radius batten.
- 3.0.6 Apply 304 stainless steel corner guards with #4 finish, 1/8" radius and 3" wings with crimped edges to all outside corners. Corner guards are to be adhesive mount.