

DIVISION \_\_\_\_\_

Specification Section # \_\_\_\_\_

**GRIDLOCK™ ULTRA CLEAN II CEILING PANEL SYSTEM**

**PART 1 GENERAL**

Furnish and install the GridLock™ Ultra Clean II Ceiling 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 Ceiling 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 Ceiling 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 side of the panel, all the way to edges, prior to installation of the panel. Follow Manufacturers recommendations for application and "open times" of the adhesive. The ceiling surface shall be in paint ready condition. Apply adhesive to the surface 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 Mask the open joint and fill the open joint with Bio/CR sealant (100% solids urethane) and finish smooth to create a virtual Seamless Joint. Remove the masking before the sealant cures. This step may have to be repeated to assure a flush joint.
- 3.0.5 Apply 16 ga. 304 stainless steel corner guards with a #4 brush finish to all outside corners. Adhesive mount shall be used for the corner guards.
- 3.0.6 Finish the inside corners with the 100% solids sealant in a 1/8" radius.