

DIVISION _____

Specification Section # _____

GRIDLOCK™ ULTRA CLEAN III HARD LID CEILING SYSTEM

PART 1 GENERAL

Furnish and install the GridLock™ Ultra Clean III Hard Lid Ceiling 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 approved 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 III 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 III Hard Lid Ceiling 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 panel composed of a powder coated aluminum face and back with a gloss finish free of surface imperfections. The core of the panel will be HDPE. The final thickness of the panel shall be 3 mm. The system is designed to be mounted in gyp or other board substrates, do not attempt 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: **1.0 lbs. per square foot**
 - Finish: **Powder Coated Aluminum both sides**
 - Standard Sizes: **4' X 8' and 4' x 10' (Panels can be cut to custom sizing if required)**

Panel thickness: **3.0 mm**
Hardness: **46 Barcol**
Color: **White**
Finish: **Gloss**

PART 3 EXECUTION

- 3.0.1 Install metal studs at 16" centers in accordance with local applicable zoning and building codes.
- 3.0.2 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.
- 3.0.3 Panels are to be mounted against the substrate and held in place until the adhesive cures.
- 3.0.4 Completely fill the vertical joints between panels with adhesive recommended by manufacturer to a level flush with the panel face.
- 3.0.5 Apply joint batten covers at all flat vertical joints using the adhesive recommended by the manufacturer.