

SECTION 09120 CEILING GRID SYSTEM

KEMLITE® SANIGRID II®

PART 1: GENERAL

1.01 DESCRIPTION:

This section describes the requirements for furnishing and installing fiberglass reinforced ceiling grid according to manufacturer's recommendations.

1.02 SUBMITTALS:

Submit in accordance with Section (Insert Section Number)

1. Two samples of each grid member and attachment clip.
2. Shop Drawings: Indicate the location of main tees and cross tees.
3. Installation Guide #6244.

1.03 QUALITY ASSURANCE:

Provide grid and clips only from the manufacturer specified to ensure warranty.

1.04 DELIVERY, STORAGE, AND HANDLING:

- A. Delivery of Materials: Deliver grid and accessories in manufacturer's unopened cartons.
- B. Storage of Materials: Store cartons in a dry place at the project site.

1.05 PROJECT CONDITIONS:

- A. Installation shall not begin until building is enclosed, permanent heating and cooling equipment is in operation, and residual moisture from plaster, concrete or terrazzo work has dissipated.
- B. During installation and for not less than 48 hours before, maintain an ambient temperature and relative humidity similar to what will be the normal operating conditions of the room.

PART 2: PRODUCTS

2.01 MATERIALS:

Sanigrid II is a rigid, high strength pultruded FRP ceiling grid system designed specifically to provide solutions for environments prone to moisture and corrosion. The system is ideal for new construction or the refurbishing of suspended ceilings which have failed due to moisture or corrosion infiltration. Sanigrid II will not rust, rot, pit, dent or peel, allowing for unmatched long term performance in a wide range of abusive environments. Genuine Kemlite Sanigrid II is identified by a single black thread embedded in the vertical leg of the tees.

Kemlite Sanigrid II ceiling grid system is cost-efficient (eliminates expensive ceiling replacement); moisture resistant (does not support mold or mildew and will not rust or corrode); easily cut and drilled for quick installation, similar to typical metal system; and meets USDA/FSIS requirements.

1. Components:

- A. Wall Angles: 12' (4m) length fastened directly to the wall with Kemlite nylon drive rivets.
- B. Hanger Wire: Provided by others, manufacturer's standard; secured with stainless steel anchors.
- C. Main Runners: 12' 1 1/2" (3.7m), notched on 24 1/4" (0.6m) centers.
- D. Cross Tee: 48 1/2", 24 1/4" and 24 1/2" (1.2m, 0.62m, and 0.62m) lengths, prenotched ends.
- E. Connector Clip: Joins main runners.
- F. Holddown Clips: Provide holddown clips (Part #C-24) for use with ceiling panels up to 9/32" (7.1mm) thick; and provide holddown clips (Part #C-25) for use with ceiling panels 9/32 - 1/2" (7.1mm-12.7mm).
- G. Wall Anchor (Part #C-20): Secures main runner and cross tees to wall angle.

2. Color:

- A. Grid Members: Manufacturer's standard white
- B. Clips: Manufacturer's standard white.

Sanigrad II products shall meet or exceed the following properties:

1. Meets Class A finish requirements: Flame spread of less than 25, smoke developed less than 450 per ASTM E-84 latest version.
2. Meets USDA/FSIS requirements.
3. Genuine Kemlite Sanigrad II identified by a single black thread embedded in the vertical leg of the tees.

2.02 PREPARATION:

- A. Ensure that all HVAC, electrical, plumbing and similar work above the ceiling level has been completed.

2.03 APPLICATION:

- A. Do all cutting with carbide tipped saw blade.
 - B. Install per manufacturer's printed instructions, Installation Guide #6244.
- Sanigrad, Kemlite, and Glasbord, are registered trademarks of Kemlite Company, Inc.