

PART 1: GENERAL**1.01 DESCRIPTION:**

This section describes the requirements for furnishing and installing frp panels according to manufacturer's recommendations.

1.02 SUBMITTALS:

Submit in accordance with Section (Insert Section Number)

1. Samples of each type of panel, each type of trim and fastener.
2. Drawings: Indicate the location and dimension of joints and fastener attachments.
3. KAL-LITE[®] FRP Installation Guide.

1.03 QUALITY ASSURANCE:

Provide FRP panels and matching moldings only from the manufacturer(s) specified to ensure color harmonization of accessories, and warranty of material.

1. 04 Delivery, Storage, and Handling:
 - A. Deliver of Materials: Package sheets on skids or pallets for shipment to requested delivery site.
 - B. Storage of Materials: Store panels in a dry place, acclimated to room temperature at the project site.
 - C. Handling: Lift sheets when removing them from the pallet. Remove protective film (if it has not been during manufacturing) prior to installation.

1.05 PROJECT CONDITIONS:

- A. Installation should not begin until building's interior temperature is completely controlled. All heating and cooling equipment is functioning and any moisture from any other subcontracted work has dissipated.
- B. It is recommended that for at least 48 hours before installation to maintain an ambient temperature and relative humidity within range required for the adhesive being used and recommendation of adhesive manufacturer.
- C. Follow the proper ventilation procedure during the installation of FRP sheeting as recommended by the adhesive manufacturer.

PART 2: PRODUCTS**2.01 MATERIALS:**

- A. Wall and/or ceiling panels shall be KAL-LITE FRP panels as manufactured by Kalwall[®] Corporation, Manchester, N.H.
USA Phone: 800-526-1609 or 603-229-0339.
1. Wall Panels KAL-LITE: Class "A" or Class "C" (General Purpose) FRP Sheeting.
 2. Lay-in Ceiling Panels: Class "A" or Class "C" (General Purpose) FRP Sheeting.

ALL KAL-LITE PANELS MEET USDA REQUIREMENTS.

The KAL-LITE FRP panels listed in this spec has been tested the numerical flame spread and smoke development ratings determined by small scale testing done by independent test facilities using the American Society for Testing and Materials E-84 test standard (commonly referred to as the "Tunnel Test").

The ASTM E84 test results are supplied by KAL-LITE for comparison purposes only.

Like most other organic building materials (i.e. wood), these panels made of fiberglass reinforced plastic resins will burn. When ignited, frp may produce dense smoke quickly.

Any smoke is toxic — Fire safety requires proper design of facilities and fire suppression systems, as well as precautions during construction and while a building is occupied.

Local codes, insurance requirements and any other special needs of the user of the product will determine the correct fire-rated for the interior finishes and fire suppression system necessary for any specific installation.

- A. Dividers, Endcaps, Inside & Outside Corner Trim: KAL-LITE supplies standard length extruded vinyl pieces (anodized aluminum also available).
- B. Panel Fastening: Low VOC adhesive (4 gallon pail); Advanced Polymer Adhesive (3.5 gallon Pail) and Non-corrosive drive rivets (available in varying lengths).

PART 3

Is in no way intended to reflect any hazards that may be presented by KAL-LITE or Kalwall Corporation products or any other material in the event of an actual fire.

These ratings are

3.01 PREPARATION

- A. Examine all substrate surfaces to determine that the corners are plumb and straight. All surfaces are smooth, uniform, clean, and free from any debris.

Ensure that all nails are countersunk, any joints and/or cracks are filled and the wall is flush and smooth with the adjoining surface.

- B. Do not start the installation of the FRP sheeting until all substrate surfaces are in acceptable condition.

3.02 APPLICATION

- A. Cutting/ drilling the material with carbide tipped saw blades or drill bits is recommended. The material can also be cut with snips.
- B. Follow the manufacturers' installation instructions for the divider & corner joint gap required for expansion & contraction.
- C. Drive rivet holes in the sheeting must be predrilled 1/8" (3.2mm) over the actual rivet diameter.
- D. Use the trowel type for the application of adhesive listed in the adhesive manufacturer's instructions.
- E. Always use products that are acceptable to the FRP manufacturer. Install FRP sheeting based on KAL-LITE's printed installation instructions

3.03 CLEANING

- A. Always completely remove any adhesive or excessive sealant from panel face using light solvent, TSP solution or other cleaner recommended by KAL-LITE.

For available stock and any necessary technical information, please call or write:

KAL-LITE
168 River Road
Bow, N.H. 03304
(800) 526-1609
(603) 229-0339