Specifying Products

The following is a format for architectural and engineering specification sections consistent with the Three-Part Section Format for Construction Specifications. This format is to be used as a guide when specifying CP products. Certain conditions of the intended application, however, may require alterations or modifications. Please reference the Creative Pultrusions Design Manual for Pultex® writing specifications.

PART 1 - GENERAL

1.01 Scope
The installing contractor shall provide all materials, labor, equipment, and incidentals as required to furnish and install Flowgrip® flooring panels and Supergrate™ grating products.

1.02 Reference Standards
Flowgrip® flooring panels and Supergrate™ pultruded grating
shall comply with all applicable provisions of the following:
A. ASTM E-84 Flame Spread
B. ASTM D-635 Rate of Burning

1.03 Submittals
A. The installing contractor shall submit product information for approval, including manufacturer's specifications, load tables, and standard installation details.
B. The installing contractor shall submit shop drawings for approval showing fabrication and installation of all FRP, including plans, elevations, sections, all related details, and location and type of all fasteners.

PART 2 - PRODUCTS

2.01 Manufacturer
Creative Pultrusions, Inc.
214 Industrial Lane
Alum Bank, PA 15521
Phone: 814-839-4186
Fax: 814-839-4276
E-mail: crpul@putlrude.com
Web site: www.creativepultrusions.com

2.02 Fiberglass Grating Type
2.02.01 Flowgrip® Flooring Panels
A. Offer the highest strength factors on the market for grating in a one piece construction.
B. Have a unique tongue and groove interlocking joint, elimi nating deflection between panels and the need for expensive panel joint clips.

2.02.02 Supergrate™ Pultruded Grating
A. Grating shall be made from pultruded bearing bars and cross-rods.
B. Grating shall be assembled using a locking cross-rod design that makes a permanent connec tion between the cross-rod and bearing bar, and shall be completely bonded into a one-piece panel.

2.03 Fiberglass Grating Design
2.03.01 Flowgrip® Flooring Panels Design
A. Grating shall be (select from pages 7-8).
B. Resin systems shall be (select Iso-Polyester or Vinyl Ester).
C. Color shall be yellow or gray.
D. Grating shall support 100 lbs. uniform load on a clear span with a deflection of (select .25-inch or .375 inch.)

2.03.02 Supergrate™ Pultruded Grating Design
A. Grating shall be (select part number from pages 11 - 18).
B. Resin system shall be (select Iso-Polyester or Vinyl Ester).
C. Color shall be yellow, gray or white.
D. Grating shall support 100 lbs. uniform load on a clear span with a deflection of (select .25-inch or .375-inch).

2.04 Fiberglass Stair Treads
A. Stair treads shall be made from (select from page 20).
B. Stair treads shall have a square tube nosing for added impact resistance.
C. Resin system shall be (select resin type).
D. Stair treads shall be attached to support angles with four clips per tread.

PART 3 - EXECUTION

3.01 Handling and Storage
All FRP material shall be handled with reasonable care. Do not drag grating panels across one another. Store FRP material on pallets. For extended storage, keep all FRP material covered.

3.02 Installation
Grating shall be installed in accordance with details indicated on submittal drawings. Grating supports shall be level, plumb, and true, and positioned to properly support the grating. Any deviations shall be addressed and cor- rected before FRP material is installed. All cuts, or any surface damage, shall be coated with sealing resin per manufacturer's instruction to maintain the corrosion barrier to grating.

3.03 Grating Attachment
Recommendations: All gratings should be fastened securely for safety purposes. Banding is not recommended for FRP grating. Use saddle clips as approved and supplied by the manufacturer.