

Roofing and Siding Products Text-Only Specification

Use this form to specify the roofing and siding panel requirements for your project. It covers Flexbeam, Flexrib and corrugated panels. This form is an Acrobat 4.0 PDF file. If you don't have Acrobat Reader, you can [download it](#) for free. Open the file in Acrobat Reader, then print out the file and mail or fax the completed form to Flexospan. Or, use our convenient, [on-line spec](#) form. For more information, contact [customer service](#).

1.0 Work Scope

Furnish or furnish and install the metal wall and/or roof system designated as

Flexbeam Flexrib 1/2" Corrugated 3/4" Corrugated 7/8" Corrugated Liner

with related accessories as outlined in these specifications and drawings, where applicable. Material shall be furnished by **Flexospan Steel Buildings**, Sandy Lake, PA. All other manufacturers shall be approved by the architect prior to the bid date.

2.0 Materials

Materials furnished under this specification shall be as follows:

2.1 Exterior Panel shall be manufactured from:

<input type="checkbox"/> G-90 Galvanized, 26 ga	<input type="checkbox"/> G-90 Galvanized, 18 ga	<input type="checkbox"/> Galvalume, 20 ga	<input type="checkbox"/> Aluminum, .032
<input type="checkbox"/> G-90 Galvanized, 24 ga	<input type="checkbox"/> Galvalume, 26 ga	<input type="checkbox"/> Stainless, 24 ga	<input type="checkbox"/> Aluminum, .040
<input type="checkbox"/> G-90 Galvanized, 22 ga	<input type="checkbox"/> Galvalume, 24 ga	<input type="checkbox"/> Stainless, 22 ga	<input type="checkbox"/> Aluminum, .050
<input type="checkbox"/> G-90 Galvanized, 20 ga	<input type="checkbox"/> Galvalume, 22 ga	<input type="checkbox"/> Stainless, 20 ga	

Exterior panels shall be roll-formed and conform to the following profiles.

Exposed Fastener Profiles

1. Flexrib 26, 24, 22, 20, 18 ga
2. Vertarib 26, 24, 22, 20, 18 ga
3. 2.67" x 1/2" Corr., 26, 24, 22, 20, 18 ga
4. 2.67" x 3/4" Corr., 26, 24, 22, 20, 18 ga
5. 2.67" x 7/8" Corr., 26, 24, 22, 20, 18 ga
6. Flexbeam 24, 22, 20, 18 ga
7. R Panel, 26 ga
8. A Panel, 26 ga

Concealed Fastener Profiles

1. FE 66, 24, 22, 20, 18 ga
2. FE 12, 24, 22, 20, 18 ga

2.2 Insulation Insulation shall be Fiberglas-type blanket faced with WMP10 vinyl of the following thickness:

Two-inch Three-inch Four-inch Six-inch

2.3 Interior Liner shall be Flexospan FL-24 Liner Panel and shall be manufactured from:

<input type="checkbox"/> G-90 Galvanized, 24 ga	<input type="checkbox"/> G-90 Galvanized, 22 ga
<input type="checkbox"/> G-90 Galvanized, 20 ga	<input type="checkbox"/> G-90 Galvanized, 18 ga

Liner panel shall have three stiffening ribs placed 6" on center and shall have an overall width of 24". Be

aware that the surface of the liner panel might "oil can," if stiffening ribs are removed because of tolerances in the base metal.

Are stiffening ribs to be removed? No Yes

The liner panel shall be attached to the structural steel with No. 14 x 1" self-tapping screws. The exposed side of the Galvanized liner shall be:

<input type="checkbox"/> Unpainted	<input type="checkbox"/> 0.2 mil primer	<input type="checkbox"/> 0.8 mil finish, white poly	<input type="checkbox"/> Flexshield (vinyl plastisol)
------------------------------------	---	---	---

2.4 Sub-Girts shall be 1/2" or 3/4" and manufactured from 16- or 18-ga galvanized steel and shall be attached to the liner panel at a maximum of 4'0" on center. Sub-girts shall be attached to the liner panel with No. 14 x 3/4" sheet-metal screws with hex heads.

2.5 Insulation: Sandwich Panels shall be 1 1/2"-thick, unfaced semi-rigid board with a K factor of .24 or less. Insulation shall be friction fit and compressed behind the sub-girts.

2.6 Exterior Panel Finish. Exterior panels shall be finished with:

<input type="checkbox"/> Kynar/Hylar-type	<input type="checkbox"/> Siliconized Polyester
<input type="checkbox"/> Flexshield (vinyl plastisol)	<input type="checkbox"/> Unpainted

Color shall be selected from the Manufacturer's standards.

2.7 Fastening of Exterior Panels

A. Exposed Fastener Panels

Exposed fastener profiles shall be attached with No. 14, self-tapping screws when attached to a sub-girt with a No. 14 x 2/4" sheet-metal screw. When used with color-coated exterior panel fastener heads shall be the same color as the panel. Fasteners used for attaching aluminum, stainless steel, Type II aluminized steel or Galvalume shall be Type 304 stainless steel with bonded washers.

B. Concealed Fastener Exterior Panels

Concealed fastener exterior panels shall be positive fastened only, no clip-type fastening shall be permitted. When fastened directly to structural steel, panels shall be attached with No. 14 x 1" self-tapping screws. When used in conjunction with a FL-24 liner panel and sub-girt, the exterior panel shall be attached using No. 14 x 3/4" sheet metal screws.

2.8 Flashing. All flashing shall have the same gauge and finish as the exterior panel.

3.0 Installation

3.1 Tolerance Requirements. No panels shall be erected if the structural steel does not meet the tolerances of the A.I.S.C. Code, Section 7. It is the responsibility of the contractor to examine this alignment before the panels are erected. The Contractor is responsible for properly installing the roof system and ensuring that all purlins or sub-framing members are properly installed.

3.2 Appearance. Due to the inherent tolerances of base metal, any flat surface panels could have some "oil canning". This will not be a basis for panel rejection.

Products and Specifications are Subject to Change without Prior Notice.

