

Roofing and Siding Products Text-Only Specification

Use this form to specify the standard roofing and siding panel requirements for your project. It covers these Flexospan products: Flexbeam, Flexrib and corrugated panels. 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
 FL 24 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/Acrylume, 20 ga	<input type="checkbox"/> Aluminum, .032
<input type="checkbox"/> G-90 Galvanized, 24 ga	<input type="checkbox"/> Galvalume/Acrylume, 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/Acrylume, 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/Acrylume, 22 ga	<input type="checkbox"/> Stainless, 20 ga	

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

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

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

2.2.1 Insulation: Sandwich Panels shall be 1 1/2"-thick, unfaced semi-rigid. Insulation shall be friction fit and compressed behind the liner panels.

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

G-90 Galvanized, 24 ga
 G-90 Galvanized, 22 ga
 G-90 Galvanized, 20 ga
 G-90 Galvanized, 18 ga

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

Unpainted
 0.2 mil primer with 0.8 mil finish, white poly
 Flexshield (vinyl plastisol, good both sides)

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.

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

- | | |
|--|--|
| <input type="checkbox"/> Kynar500®/Hylar500®-type | <input type="checkbox"/> Siliconized Polyester |
| <input type="checkbox"/> Flexshield (vinyl plastisol, good both sides) | <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, or 12/14 x 1" self drilling screws with sealing washers. 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/Acrylume shall be an approved type.

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 with a FL-24 liner panel and sub-girt, the exterior panel shall be attached using No. 14 x 3/4" sheet metal screws, or 2/14 x 3/4" self-drilling 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 and siding systems 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.