



**7/8" Corrugated Load Table**

Thickness	# Spans	Span Length												
		4'	4' 6"	5'	5' 6"	6'	6' 6"	7'	7' 6"	8'	8' 6"	9'	9' 6"	10'
18 Ga	1	136	107	87	72	600	51	44	38	34	30	26	24	21
	STL.	31	170	134	108	90	75	64	55	48	42	37	33	30
20 Ga	1	103	81	66	54	45	39	33	29	25	22	20	18	16
	STL.	3	129	101	82	68	57	48	42	36	32	28	25	22
22 Ga	1	116	92	74	61	51	44	38	33	29	25	23	20	18
	STL.	3	145	115	93	77	64	55	47	41	36	32	28	25
24 Ga	1	93	74	60	49	41	35	30	26	23	20	18	16	15
	STL.	3	117	92	75	62	52	44	38	33	29	25	23	20
26 Ga	1	70	55	45	37	31	26	23	20	17	15	13	12	-
	STL.	3	88	69	56	46	39	33	28	25	22	19	17	15
0.040 Aluminum	1	65	51	41	34	28	24	21	18	16	14	12	-	-
	3	81	64	52	43	36	30	26	23	20	18	16	14	13
0.032 Aluminum	1	52	41	33	27	23	19	17	14	13	-	-	-	-
	3	65	51	41	34	29	24	21	18	16	14	12	-	-

*Stress governing, 37 ksi yield for 18, 20 Ga; 50 ksi for 22, 24 and 26 Ga*

# CORRUGATED

## 2.67" x 7/8"

By increasing the corrugation depth to 7/8" much greater spans are possible. This results in a savings on structural steel cost. When used as a roofing sheet, the 7/8" deep corrugation is capable of carrying off greater volumes of water than the 1/2" corrugated.

## SPECIFICATION DATA SHEET - ROOFING AND SIDING PANELS SECTION 07400

### PART 1 GENERAL - THROUGH FASTENED METAL PANELS

#### 1.1 PERFORMANCE AND DESIGN REQUIREMENTS FOR ROOF AND WALL SYSTEMS

- A. Roof and Wall Panels: Steel panels shall be designed in accordance with the AISI Cold-Formed Steel Design Manual and local building codes as applicable.
- B. Framing members and their connections shall be designed in accordance with AISC, AISI, and LGSI design specifications and local building codes as applicable.

#### 1.2 STORAGE AND HANDLING

- A. Store all material and accessories above ground on well skidded platforms.
- B. Store inside or under breathable waterproof covering. Provide proper ventilation to panels to prevent condensation buildup between each panel. Elevate one end of bundles while being stored.

### PART 2 PRODUCTS - THROUGH FASTENED METAL PANELS

Materials furnished under this specification data sheet shall be the items checked in the gauge circled.

#### 07 41 13 Metal Roof Panel:

- Flexbeam - 24, 22, 20, 18 Gauge
- Flexrib - 26, 24, 22, 20, 18 Gauge
- Corrugated 1/2" - 26, 24, 22, 20, 18 Gauge
- Corrugated 3/4" - 26, 24, 22, 20, 18 Gauge
- Corrugated 7/8" - 26, 24, 22, 20, 18 Gauge
- R-Panel - 26 Gauge

#### Painted G-90 or Galvalume coated:

- Vinyl Plastisol (FLEXSHIELD)
- Kynar 500® / Hylar5000® - Fluorocarbon
- Siliconized Polyester

#### Color:

- Flexospan Standard Color
- Custom Color - Special ordered with a minimum quantity requirement.

#### Unpainted Roof Panel:

- Acrylic-Coated G-90 Galvanized Steel
- Acrylic-Coated Galvalume Steel
- Stainless Steel - 24, 22, 20, 18 Gauge
- Type 3003 Aluminum - .032in, .040in

Insulation shall be Fiberglass-type blanket faced with VRR+ vinyl 2-3/4", 3", 4", 6" \_\_\_\_\_

#### 07 42 13 Metal Wall Panel:

- Flexbeam - 24, 22, 20, 18 Gauge
- Flexrib - 26, 24, 22, 20, 18 Gauge
- Vertarib - 26, 24, 22, 20, 18 Gauge
- Corrugated 1/2" - 26, 24, 22, 20, 18 Gauge
- Corrugated 3/4" - 26, 24, 22, 20, 18 Gauge
- Corrugated 7/8" - 26, 24, 22, 20, 18 Gauge
- R-Panel - 26 Gauge
- A-Panel - 26 Gauge

#### Painted Steel with G-90 Galvanizing or Galvalume coated:

- Vinyl Plastisol (FLEXSHIELD)
- Kynar 500® / Hylar5000® - Fluorocarbon
- Siliconized Polyester

#### Color:

- Flexospan Standard Color
- Custom Color - Special ordered with a minimum quantity requirement.

#### Unpainted Wall Panel:

- Acrylic-Coated G-90 Galvanized Steel
- Acrylic-Coated Galvalume Steel
- Stainless Steel - 24, 22, 20, 18 Gauge
- Type 3003 Aluminum - .032in, .040in

Insulation shall be Fiberglass-type blanket faced with VRR+ vinyl 2-3/4", 3", 4", 6" \_\_\_\_\_

### PART 3 EXECUTION - THROUGH FASTENED METAL PANELS

#### 3.1 INSTALLATION

- A. Install in accordance with Flexospan's Standard Details. ([www.Flexospan.com](http://www.Flexospan.com))
- B. Formed closed cell polyethylene profile closures, glued rib side for ridge, eave and opening edges.
- C. Tape: Sealer tape required on all through fastened roofs under 4:12 pitch at the end and side laps.
- D. Remove strippable film immediately upon erection of panels or flashings.



[www.flexospan.com](http://www.flexospan.com)

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