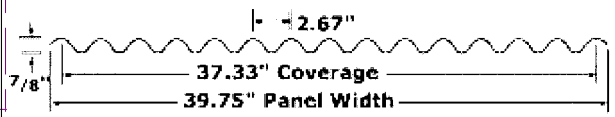
RESINOL®

2.67 CORRUGATED



ROOFING: POSITIVE LOADS

SPAN	Uniform Loads, PSF	SERIES		
		FR200	FR300	FR400
SINGLE	20	3'9"	4'1"	4'3"
TWO		5'1"	5'6"	5'8"
THREE		4'8"	5'1"	5'3"
SINGLE	25	3'6"	3'10"	3'11"
TWO		4'8"	5'2"	5'3"
THREE		4'4"	4'9"	4'10"
SINGLE	30	3'3"	3'7"	3'8"
TWO		4'5"	4'10"	4'11"
THREE		4'1"	4'5"	4'7"
SINGLE	35	3'1"	3'5"	3'6"
TWO		4'2"	4'7"	4'8"
THREE		3'10"	4'3"	4'4"
SINGLE	40	3'0"	3'3"	3'4"
TWO		3'11"	4'5"	4'6"
THREE		3'8"	4'1"	4'2"
SINGLE	50	2'9"	3'0"	3'1"
TWO		3'2"	4'1"	4'2"
THREE		3'5"	3'9"	3'10"

ROOFING: NEGATIVE LOADS
Fasteners required at every other corrugation

SPAN	Uniform Loads, PSF	SERIES		
		FR200	FR300	FR400
SINGLE	20	3'9"	4'1"	4'3"
TWO		5'1"	5'6"	5'8"
THREE		4'8"	5'1"	5'3"
SINGLE	25	3'6"	3'10"	3'11"
TWO		4'8"	5'2"	5'3"
THREE		4'4"	4'9"	4'10"

SINGLE	30	3'3"	3'7"	3'8"
TWO		4'5"	4'10"	4'11"
THREE		4'1"	4'5"	4'7"
SINGLE	35	3'1"	3'5"	3'6"
TWO		4'2"	4'7"	4'8"
THREE		3'10"	4'3"	4'4"
SINGLE	40	3'0"	3'3"	3'4"
TWO		3'11"	4'5"	4'6"
THREE		3'8"	4'1"	4'2"
SINGLE	50	2'9"	3'0"	3'1"
TWO		3'2"	4'1"	4'2"
THREE		3'5"	3'9"	3'10"

SIDING: WIND LOADS
Fasteners required at every other corrugation

SPAN	**Uniform Loads, PSF**	**SERIES**		
		FR200	**FR300**	**FR400**
SINGLE	20	4'9"	5'2"	5'4"
TWO		6'5"	7'0"	7'2"
THREE		5'11"	6'5"	6'7"
SINGLE	25	4'5"	4'10"	4'11"
TWO		5'11"	6'6"	6'8"
THREE		5'6"	6'0"	6'2"
SINGLE	30	4'2"	4'7"	4'8"
TWO		5'3"	6'1"	6'3"
THREE		5'2"	5'7"	5'9"
SINGLE	35	3'11"	4'4"	4'5"
TWO		4'6"	5'10"	5'11"
THREE		4'11"	5'4"	5'6"
SINGLE	40	3'9"	4'1"	4'3"
TWO		3'11"	5'6"	5'8"
THREE		4'6"	5'1"	5'3"
SINGLE	50	3'6"	3'10"	3'11"
TWO		3'2"	4'9"	4'9"
THREE		3'7"	4'9"	4'10"

Contact Enduro for **SERIES FM** Loads/Span Data

Load/Span Tables are based on full scale tests that consider three design parameters:

- Critical bending moment at actual panel failure
- Flexural stiffness
- Pullover force per fastener of the panel section.

Table values are based upon:

- **Roofing:** Deflection l/60, FOS 2.5+, 1.88-
- **Siding:** Deflection L/30 FOS 1.88

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DESIGN PARAMETERS

The load/span tables shown in this Guide are derived from large scale tests using full panels to simulate actual service conditions (at a reference temperature of 77° F). These tests include two span vacuum box test and three point load tests.

Each span shown in the load/span tables represents the most conservative span derived when the panel is assessed using the following parameters:

Design Parameters

- Critical bending moment at actual panel failure;
- Flexural stiffness factor, EI, (where E is the flexural modulus of elasticity and I is the moment of inertia of the panel section); and
- Pullover force resistance per fastener.

LOAD/SPAN TABLES

The load/span tables shown in this Guide are developed using the following maximum deflections limits and Factors of Safety (FOS), unless otherwise noted:

Panel Roofing:
Positive Loads: Deflection: L/60, FOS:2.5
Negative Loads: Deflection: L/60, FOS: 1.88
Panel Siding:
Wind Loads: Deflection: L/30, FOS:1.88
Roof Deck:
Dead + Live Loads: Deflection: L/180, FOS:2.5 Uplift Loads: Deflection: L/18000, FOS:1.88

The load/span tables are to be used as a guide only as specific environmental conditions are not considered.

Specific applications should be verified by a registered Professional Engineer.