

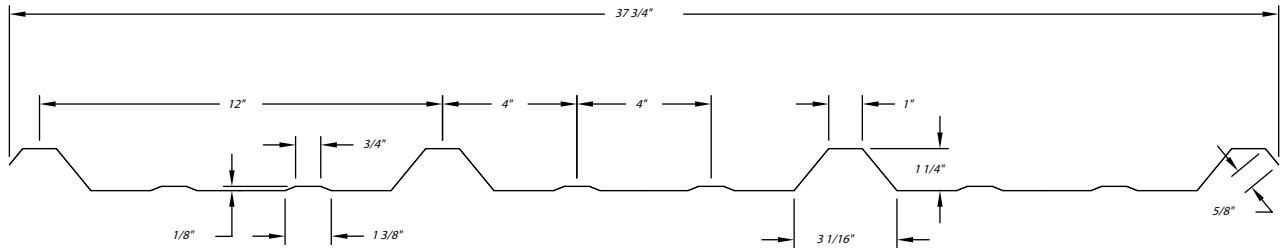


R-Panel | Profile #162

Formulations Currently Available

General Purpose 6oz. | General Purpose 8oz. | General Purpose 12oz. | General Purpose High Strength 8oz. | Duralite 8oz. | Duralite 12oz. | Duralite High Strength 8oz. Fire-Rated 8oz. | Fire-Rated High Strength 8oz.

Drawing | Profile #162



Load Span Information | Profile #162

162 GP | 6oz. General Purpose For Physical Properties refer to Form 7062

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor		45 to 1 Deflection Limit Ratio (L/D)												
Panel Description: R-Panel		Panel Strength = 15000 psi		Flexural Modulus = 1000000 psi												
General Purpose																
6 oz./sq. ft.																
Generic: 162GP																
		20 psf		30 psf		40 psf		50 psf		60 psf						
		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		4'-6"	4'-6"	5'-0"	3'-8"	3'-8"	4'-1"	3'-2"	3'-2"	3'-6"	2'-10"	2'-10"	2'-7"	2'-11"		
Deflection Limit		3'-11"	5'-3"	4'-10"	3'-5"	4'-7"	4'-3"	3'-1"	4'-2"	3'-10"	2'-11"	3'-11"	3'-7"	2'-9"	3'-8"	3'-4"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor		20 to 1 Deflection Limit Ratio (L/D)												
Panel Description: R-Panel		Panel Strength = 15000 psi		Flexural Modulus = 1000000 psi												
General Purpose																
6 oz./sq. ft.																
Generic: 162GP																
		20 psf		30 psf		40 psf		50 psf		60 psf						
		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		5'-2"	5'-2"	5'-9"	4'-2"	4'-2"	4'-8"	3'-8"	3'-8"	4'-1"	3'-3"	3'-3"	3'-8"	3'-0"	3'-0"	3'-4"
Deflection Limit		5'-2"	6'-11"	6'-4"	4'-6"	6'-0"	5'-7"	4'-1"	5'-6"	5'-1"	3'-10"	5'-1"	4'-8"	3'-7"	4'-9"	4'-5"

162 GP | 8oz. General Purpose For Physical Properties refer to Form 7062

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor		45 to 1 Deflection Limit Ratio (L/D)												
Panel Description: R-Panel		Panel Strength = 15000 psi		Flexural Modulus = 1000000 psi												
General Purpose																
8 oz./sq. ft.																
Generic: 162GP																
		20 psf		30 psf		40 psf		50 psf		60 psf						
		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		5'-2"	5'-2"	5'-9"	4'-2"	4'-2"	4'-8"	3'-8"	3'-8"	4'-1"	3'-3"	3'-3"	3'-8"	3'-0"	3'-0"	3'-4"
Deflection Limit		4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-8"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor		20 to 1 Deflection Limit Ratio (L/D)												
Panel Description: R-Panel		Panel Strength = 15000 psi		Flexural Modulus = 1000000 psi												
General Purpose																
8 oz./sq. ft.																
Generic: 162GP																
		20 psf		30 psf		40 psf		50 psf		60 psf						
		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		5'-11"	5'-11"	6'-8"	4'-10"	4'-10"	5'-5"	4'-2"	4'-2"	4'-8"	3'-9"	3'-9"	4'-2"	3'-5"	3'-5"	3'-10"
Deflection Limit		5'-8"	7'-7"	7'-0"	4'-11"	6'-8"	6'-1"	4'-6"	6'-0"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"



Load Span Information (Continued) | Profile #162

162 GP | 12oz. General Purpose

For Physical Properties refer to Form 7082

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)											
Panel Description: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi											
General Purpose																			
12 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf					
Generic: 162GP		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		6'-3"	6'-3"	7'-0"	5'-1"	5'-1"	5'-8"	4'-5"	4'-5"	4'-11"	3'-11"	3'-11"	4'-5"	3'-7"	3'-7"	4'-0"			
Deflection Limit		4'-11"	6'-8"	6'-1"	4'-4"	5'-10"	5'-4"	3'-11"	5'-3"	4'-10"	3'-8"	4'-11"	4'-6"	3'-5"	4'-7"	4'-3"			

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)											
Panel Description: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi											
General Purpose																			
12 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf					
Generic: 162GP		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		7'-2"	7'-2"	8'-1"	5'-11"	5'-11"	6'-7"	5'-1"	5'-1"	5'-8"	4'-7"	4'-7"	5'-1"	4'-2"	4'-2"	4'-8"			
Deflection Limit		6'-6"	8'-8"	8'-0"	5'-8"	7'-7"	7'-0"	5'-2"	6'-11"	6'-4"	4'-9"	6'-5"	5'-11"	4'-6"	6'-0"	5'-7"			

162 GPW | 8oz. General Purpose High Strength

For Physical Properties refer to Form 7082

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)											
Panel Description: R-Panel		Panel Strength = 25000 psi						Flexural Modulus = 1100000 psi											
General Purpose-High Strength																			
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf					
Generic: 162GPW		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		6'-4"	6'-4"	7'-1"	5'-2"	5'-2"	5'-9"	4'-6"	4'-6"	5'-0"	4'-0"	4'-0"	4'-6"	3'-8"	3'-8"	4'-1"			
Deflection Limit		4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-8"			

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)											
Panel Description: R-Panel		Panel Strength = 25000 psi						Flexural Modulus = 1100000 psi											
General Purpose-High Strength																			
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf					
Generic: 162GPW		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN			
Stress Limit		7'-4"	7'-4"	8'-2"	6'-0"	6'-0"	6'-8"	5'-2"	5'-2"	5'-9"	4'-7"	4'-7"	5'-2"	4'-3"	4'-3"	4'-9"			
Deflection Limit		5'-8"	7'-7"	7'-0"	4'-11"	6'-8"	6'-1"	4'-6"	6'-0"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"			



Load Span Information (Continued) | Profile #162

162 DL | 8oz. Duralite

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS LIMITING CRITERIA: 2.5 to 1 Safety Factor 45 to 1 Deflection Limit Ratio (L/D)
 Panel Description: R-Panel Panel Strength = 15000 psi Flexural Modulus = 1000000 psi
 Duralite
 8 oz./sq. ft.
 Generic: 162DL

	20 psf			30 psf			40 psf			50 psf			60 psf		
	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit	5'-2"	5'-2"	5'-9"	4'-3"	4'-3"	4'-9"	3'-8"	3'-8"	4'-1"	3'-3"	3'-3"	3'-8"	3'-0"	3'-0"	3'-4"
Deflection Limit	4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-9"

ROOFING/SIDING: WIND LOADS LIMITING CRITERIA: 1.88 to 1 Safety Factor 20 to 1 Deflection Limit Ratio (L/D)
 Panel Description: R-Panel Panel Strength = 15000 psi Flexural Modulus = 1000000 psi
 Duralite
 8 oz./sq. ft.
 Generic: 162DL

	20 psf			30 psf			40 psf			50 psf			60 psf		
	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit	5'-11"	5'-11"	6'-8"	4'-10"	4'-10"	5'-5"	4'-3"	4'-3"	4'-9"	3'-9"	4'-3"	3'-5"	3'-5"	3'-5"	3'-4"
Deflection Limit	5'-8"	7'-7"	7'-0"	5'-0"	6'-8"	6'-2"	4'-6"	6'-1"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"

162 DL | 12oz. Duralite

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS LIMITING CRITERIA: 2.5 to 1 Safety Factor 45 to 1 Deflection Limit Ratio (L/D)
 Panel Description: R-Panel Panel Strength = 15000 psi Flexural Modulus = 1000000 psi
 Duralite
 12 oz./sq. ft.
 Generic: 162DL

	20 psf			30 psf			40 psf			50 psf			60 psf		
	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit	6'-3"	6'-3"	7'-0"	5'-2"	5'-2"	5'-9"	4'-5"	4'-5"	5'-0"	4'-0"	4'-0"	4'-5"	3'-8"	3'-8"	4'-1"
Deflection Limit	5'-0"	6'-8"	6'-2"	4'-4"	5'-10"	5'-4"	3'-11"	5'-3"	4'-10"	3'-8"	4'-11"	4'-6"	3'-5"	4'-7"	4'-3"

ROOFING/SIDING: WIND LOADS LIMITING CRITERIA: 1.88 to 1 Safety Factor 20 to 1 Deflection Limit Ratio (L/D)
 Panel Description: R-Panel Panel Strength = 15000 psi Flexural Modulus = 1000000 psi
 Duralite
 12 oz./sq. ft.
 Generic: 162DL

	20 psf			30 psf			40 psf			50 psf			60 psf		
	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit	7'-3"	7'-3"	8'-1"	5'-11"	5'-11"	6'-7"	5'-1"	5'-1"	5'-9"	4'-7"	4'-7"	5'-1"	4'-2"	4'-2"	4'-8"
Deflection Limit	6'-6"	8'-9"	8'-0"	5'-8"	7'-7"	7'-0"	5'-2"	6'-11"	6'-5"	4'-10"	6'-5"	5'-11"	4'-6"	6'-1"	5'-7"

162 DLW | 8oz. Duralite High Strength

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS LIMITING CRITERIA: 2.5 to 1 Safety Factor 45 to 1 Deflection Limit Ratio (L/D)
 Panel Description: R-Panel Panel Strength = 25000 psi Flexural Modulus = 1100000 psi
 Duralite-High Strength
 8 oz./sq. ft.
 Generic: 162DLW

	20 psf			30 psf			40 psf			50 psf			60 psf		
	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit	6'-4"	6'-4"	7'-1"	5'-2"	5'-2"	5'-10"	4'-6"	4'-6"	5'-0"	4'-0"	4'-0"	4'-6"	3'-8"	3'-8"	4'-1"
Deflection Limit	4'-4"	5'-10"	5'-4"	3'-9"	5'-1"	4'-8"	3'-5"	4'-7"	4'-3"	3'-2"	4'-3"	3'-11"	3'-0"	4'-0"	3'-9"

ROOFING/SIDING: WIND LOADS LIMITING CRITERIA: 1.88 to 1 Safety Factor 20 to 1 Deflection Limit Ratio (L/D)
 Panel Description: R-Panel Panel Strength = 25000 psi Flexural Modulus = 1100000 psi
 Duralite-High Strength
 8 oz./sq. ft.
 Generic: 162DLW

	20 psf			30 psf			40 psf			50 psf			60 psf		
	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit	7'-4"	7'-4"	8'-2"	6'-0"	6'-0"	6'-8"	5'-2"	5'-2"	5'-10"	4'-8"	4'-8"	5'-2"	4'-3"	4'-3"	4'-9"
Deflection Limit	5'-8"	7'-7"	7'-0"	5'-0"	6'-8"	6'-2"	4'-6"	6'-1"	5'-7"	4'-2"	5'-7"	5'-2"	3'-11"	5'-3"	4'-10"



R-Panel | Profile #162

Load Span Information (Continued) | Profile #162

162 IF | 8oz. Fire Rated

For Physical Properties refer to Form 3702

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Fire Rated (Class A)																
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162FR		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit		4'-11"	4'-11"	5'-6"	4'-0"	4'-0"	4'-6"	3'-6"	3'-6"	3'-11"	3'-1"	3'-1"	3'-6"	2'-10"	2'-10"	3'-2"
Deflection Limit		4'-2"	5'-7"	5'-2"	3'-8"	4'-11"	4'-6"	3'-4"	4'-6"	4'-1"	3'-1"	4'-2"	3'-10"	2'-11"	3'-11"	3'-7"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Fire Rated (Class A)																
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162FR		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit		5'-8"	5'-8"	6'-4"	4'-7"	4'-7"	5'-2"	4'-0"	4'-0"	4'-6"	3'-7"	3'-7"	4'-0"	3'-3"	3'-3"	3'-8"
Deflection Limit		5'-6"	7'-4"	6'-9"	4'-10"	6'-5"	5'-11"	4'-4"	5'-10"	5'-5"	4'-1"	5'-5"	5'-0"	3'-10"	5'-1"	4'-8"

162 IFW | 8oz. Fire-Rated Cooling Tower Class A High Strength

Physical Properties Form 3703

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 30000 psi						Flexural Modulus = 1000000 psi								
IsoTuf High-Strength																
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162IFW		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit		6'-9"	6'-9"	7'-7"	5'-6"	5'-6"	6'-2"	4'-9"	4'-9"	5'-4"	4'-3"	4'-3"	4'-9"	3'-11"	3'-11"	4'-4"
Deflection Limit		4'-1"	5'-6"	5'-1"	3'-7"	4'-10"	4'-5"	3'-3"	4'-5"	4'-0"	3'-0"	4'-1"	3'-9"	2'-10"	3'-10"	3'-6"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel		Panel Strength = 30000 psi						Flexural Modulus = 1000000 psi								
IsoTuf High-Strength																
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162IFW		1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
Stress Limit		7'-10"	7'-10"	8'-9"	6'-5"	6'-5"	7'-2"	5'-6"	5'-6"	6'-2"	4'-11"	4'-11"	5'-6"	4'-6"	4'-6"	5'-0"
Deflection Limit		5'-5"	7'-3"	6'-8"	4'-9"	6'-4"	5'-10"	4'-3"	5'-9"	5'-4"	4'-0"	5'-4"	4'-11"	3'-9"	5'-0"	4'-7"

This information is provided as preliminary data for designers. It should be checked and verified and its use determined by a duly licensed engineer or architect. NOTE: Spans will vary with resin formulation, glass content, and thickness. For data on other profiles, formulations, or conditions contact the technical department. DISCLAIMER: These load span tables do not reflect any span reduction that may be associated with various fastening options.

