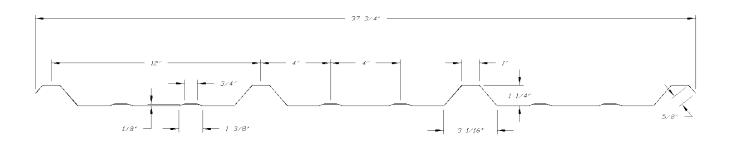


R-PANEL PROFILE #: 162



162DL | 8oz. Duralite

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING	CRITERIA:	2.5 to 1 Sa	fety Factor		45 to 1 Det	lection Limi	t Ratio (L/D))					
Panel Description: R-Panel				Panel Stre	ength = 150	00 psi	Flexural N	lodulus = 10	000000 psi						
Duralite		20 nef													
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162DL	1 SPAN	2 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 Panel Description: R-Panel Duralite		LIMITING	CRITERIA:	1.88 to 1 Sa Panel Stre	afety Factor ength = 150			lection Limi	t Ratio (L/D) 000000 psi)					
8 oz./sq. ft.	20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162DL	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"	3'-9"	4'-3"	3'-5"	3'-5"	3'-10"	
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"

162DL | 12oz. Duralite

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS Panel Description: R-Panel Duralite		LIMITING	CRITERIA:		fety Factor ength = 150			flection Limi lodulus = 10	t Ratio (L/D) 000000 psi)					
12 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162DL	1 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 Panel Description: R-Panel Duralite		LIMITING	CRITERIA:	1.88 to 1 Sa Panel Stre	afety Factor		20 to 1 Def Flexural M	lection Limi lodulus = 10)					
12 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162DL	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	1 SPAN 2 SPAN 3+ SPAN 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"

162DLW | 8oz. Duralite High Strength

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS		LIMITING	CRITERIA:	2.5 to 1 Sa	fety Factor		45 to 1 Det	lection Limi	t Ratio (L/D)					
Panel Description: R-Panel Duralilte-High Strength				Panel Stre	ength = 250	00 psi	Flexural M	lodulus = 1	100000 psi						
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162DLW	1 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 Panel Description: R-Panel Duralilte-High Strength		LIMITING	CRITERIA:	1.88 to 1 S Panel Stre	afety Factor ength = 250			flection Limi flodulus = 1	t Ratio (L/D) 100000 psi						
8 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162DLW	1 SPAN	- 1		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"

162IFW | 8oz. IsoTuff High Strength

TABLES BELOW IN FEET AND INCHES ONLY

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ROOFING: POSITIVE LOADS		LIMITING (CRITERIA:	2.5 to 1 Sa	fety Factor		45 to 1 Def	lection Limit	Ratio (L/D)						
Panel Description: R-Panel				Panel Stre	ngth = 3000	00 psi	Flexural M	odulus = 10	00000 psi						
IsoTuf High-Strength		20 nef													
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"			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 Panel Description: R-Panel IsoTuf High-Strength		LIMITING (CRITERIA:		afety Factor ngth = 3000		20 to 1 Def Flexural M	lection Limit odulus = 10							
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"

162ST | 8oz. SunStrong

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS Panel Description: R-Panel		LIMITING (CRITERIA:	2.5 to 1 Sa	afety Factor ength = 25,				nit Ratio (L/I	,					
SunStrong Profiled		20 nsf			. 3				,						
8.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162ST	1 SPAN	1 111		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	1 SPAN 2 SPAN 3+ SPAN 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'-3"	5'-8"	5'-3"	3'-8"	4'-11"	4'-7"	3'-4"	4'-6"	4'-2"	3'-1"	4'-2"	3'-10"	2'-11"	3'-11"	3'-7"

Generic: 162ST

ROOFING/SIDING: WIND LOADS		LIMITING	CRITERIA:	1.88 to 1 S	afety Facto	or	20 to 1 De	flection Lim	it Ratio (L/I	D)					
Panel Description: R-Panel				Panel Stre	ength = 25,	000 psi	Flexural N	Modulus = 9	000,000 psi						
SunStrong Profiled		20 nef													
8.0 oz./sq. ft.	20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162ST	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'-4"	6'-4"	7'-2"	5'-6"	5'-6"	6'-2"	4'-11"	4'-11"	5'-6"	4'-6"	4'-6"	5'-0"
Deflection Limit	5'-7"	7'-5"	6'-10"	4'-10"	6'-6"	6'-0"	4'-5"	5'-11"	5'-5"	4'-1"	5'-6"	5'-1"	3'-10"	5'-2"	4'-9"

162STW | 8oz. SunStrong High Strength

TABLES BELOW IN FEET AND INCHES ONLY

ROOFING: POSITIVE LOADS Panel Description: R-Panel		LIMITING	CRITERIA:	2.5 to 1 Sa Panel Stre	afety Factor ength = 30,		45 to 1 De Flexural N		iit Ratio (L/I 310,000 psi	,					
SunStrong - Profiled High Streng	th	20 nef													
8.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162STW	1 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'-0"	5'-10"	5'-10"	6'-6"	5'-1"	5'-1"	5'-8"	4'-6"	4'-6"	5'-1"	4'-1"	4'-1"	4'-7"
Deflection Limit	4'-0"	5'-4"	4'-11"	3'-6"	4'-8"	4'-4"	3'-2"	4'-3"	3'-11"	2'-11"	3'-11"	3'-8"	2'-9"	3'-8"	3'-5"

Generic: 162STW

ROOFING/SIDING: WIND LOADS Panel Description: R-Panel SunStrong - Profiled High Streng	th	LIMITING (CRITERIA:		Safety Facto ength = 30,		20 to 1 De Flexural N		it Ratio (L/[10,000 psi	,					
8.0 oz./sq. ft.		20 psf			30 psf			40 psf			50 psf			60 psf	
Generic: 162STW	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	8'-3"	8'-3"	9'-3"	6'-9"	6'-9"	7'-6"	5'-10"	5'-10"	6'-6"	5'-3"	5'-3"	5'-10"	4'-9"	4'-9"	5'-4"
Deflection Limit	5'-3"	7'-0"	6'-5"	4'-7"	6'-1"	5'-8"	4'-2"	5'-7"	5'-1"	3'-10"	5'-2"	4'-9"	3'-7"	4'-10"	4'-6"

162STW | 12oz. SunStrong High Strength

TABLES BELOW IN FEET AND INCHES ONLY

TABLES BELOW IN TELT AND INCIDES ONE!															
ROOFING: POSITIVE LOADS		LIMITING	CRITERIA:	2.5 to 1 Safety Factor			45 to 1 Det	flection Limi	it Ratio (L/D)					
Panel Description: R-Panel				Panel Strength = 25,000 psi			Flexural Modulus = 900,000 psi								
SunStrong - Profiled High Strength															
12.0 oz./sq. ft.	20 psf			30 psf			40 psf			50 psf			60 psf		
Generic: 162STW	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'-11"	7'-11"	8'-10"	6'-6"	6'-6"	7'-3"	5'-7"	5'-7"	6'-3"	5'-0"	5'-0"	5'-7"	4'-7"	4'-7"	5'-1"
Deflection Limit	4'-9"	6'-4"	5'-10"	4'-2"	5'-6"	5'-1"	3'-9"	5'-0"	4'-8"	3'-6"	4'-8"	4'-4"	3'-3"	4'-5"	4'-1"

Generic: 162STW

ROOFING/SIDING: WIND LOADS Panel Description: R-Panel SunStrong - Profiled High Strength		LIMITING	CRITERIA:		afety Factor ength = 25,0			eflection Limit Ratio (L/D) Modulus = 900,000 psi									
12.0 oz./sq. ft.	20 psf			30 psf			40 psf			50 psf			60 psf				
Generic: 162STW	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	9'-2"	9'-2"	10'-3"	7'-6"	7'-6"	8'-4"	6'-6"	6'-6"	7'-3"	5'-9"	5'-9"	6'-6"	5'-3"	5'-3"	5'-11"		
Deflection Limit	6'-2"	8'-4"	7'-8"	5'-5"	7'-3"	6'-8"	4'-11"	6'-7"	6'-1"	4'-7"	6'-1"	5'-8"	4'-3"	5'-9"	5'-4"		

NOTE: 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.

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