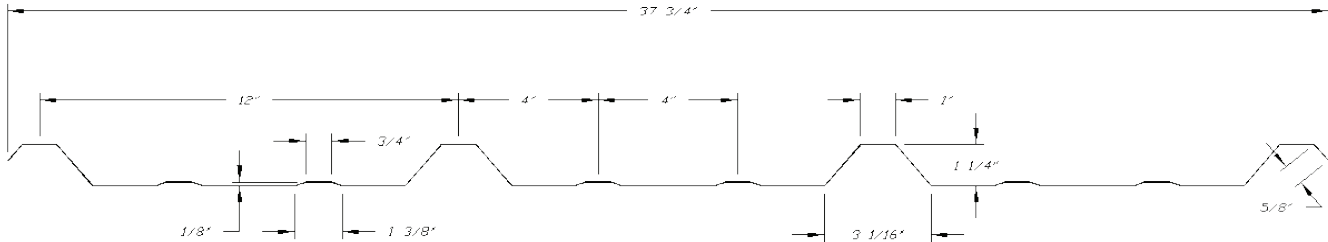


R-PANEL

PROFILE #: 162



162DL | 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			20 psf			30 psf			40 psf			50 psf		
8 oz./sq. ft.			1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
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
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"
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"

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			20 psf			30 psf			40 psf			50 psf		
8 oz./sq. ft.			1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
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
Stress Limit			5'-11"	5'-11"	6'-8"	4'-10"	4'-10"	5'-5"	4'-3"	4'-3"	5'-0"	3'-9"	3'-9"	3'-8"
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"

162DL | 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			20 psf			30 psf			40 psf			50 psf		
12 oz./sq. ft.			1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
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
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"
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"

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			20 psf			30 psf			40 psf			50 psf		
12 oz./sq. ft.			1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN	1 SPAN	2 SPAN	3+ SPAN
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
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"
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"

162DLW | 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.			20 psf			30 psf			40 psf			50 psf		
Generic: 162DLW			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"
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"

TABLES BELOW IN FEET AND INCHES ONLY														
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.			20 psf			30 psf			40 psf			50 psf		
Generic: 162DLW			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"
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"

162IFW | 8oz. IsoTuff 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 = 30000 psi						Flexural Modulus = 1000000 psi					
IsoTuff High-Strength														
8 oz./sq. ft.			20 psf			30 psf			40 psf			50 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
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"
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"

TABLES BELOW IN FEET AND INCHES ONLY														
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					
IsoTuff High-Strength														
8 oz./sq. ft.			20 psf			30 psf			40 psf			50 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
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"
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"

162ST | 8oz. SunStrong

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 = 25,000 psi						Flexural Modulus = 900,000 psi					
SunStrong Profiled														
8.0 oz./sq. ft.			20 psf			30 psf			40 psf			50 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
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"
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"

Generic: 162ST

TABLES BELOW IN FEET AND INCHES ONLY														
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 = 25,000 psi						Flexural Modulus = 900,000 psi					
SunStrong Profiled														
8.0 oz./sq. ft.			20 psf			30 psf			40 psf			50 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
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"
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"

162STW | 8oz. SunStrong 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 = 30,000 psi						Flexural Modulus = 810,000 psi								
SunStrong - Profiled High Strength																	
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			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			LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: R-Panel			Panel Strength = 30,000 psi						Flexural Modulus = 810,000 psi								
SunStrong - Profiled High Strength																	
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																	
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 = 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"	3'-3"	4'-5"	4'-1"	

Generic: 162STW

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 = 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			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.

At Valto, we partner with our customers, and through innovation, deliver advanced materials that enhance everyday environments. We succeed through a culture of collaboration, continuous improvement, and excellence. With integrity at our core, we challenge the status quo and pursue innovative approaches that benefit our customers and associates.

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