



509GP | 5oz. General Purpose

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: Grand Rib III		Panel Strength = 15,000 psi						Flexural Modulus = 1,000,000 psi								
General Purpose		20 psf			30 psf			40 psf			50 psf			60 psf		
5.0 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	1 SPAN	2 SPAN	3+ SPAN
Stress Limit		2'-7"	2'-7"	2'-10"	2'-1"	2'-1"	2'-4"	1'-10"	1'-10"	2'-0"	1'-7"	1'-7"	1'-10"	1'-6"	1'-6"	1'-8"
Deflection Limit		2'-4"	3'-2"	2'-11"	2'-0"	2'-9"	2'-6"	1'-10"	2'-6"	2'-3"	1'-9"	2'-4"	2'-2"	1'-7"	2'-2"	2'-0"

Generic: 509GP

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: Grand Rib III		Panel Strength = 15,000 psi						Flexural Modulus = 1,000,000 psi								
General Purpose		20 psf			30 psf			40 psf			50 psf			60 psf		
5.0 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	1 SPAN	2 SPAN	3+ SPAN
Stress Limit		2'-11"	2'-11"	3'-3"	2'-5"	2'-5"	2'-8"	2'-1"	2'-1"	2'-4"	1'-10"	1'-10"	2'-1"	1'-8"	1'-8"	1'-11"
Deflection Limit		3'-1"	4'-1"	3'-9"	2'-8"	3'-7"	3'-4"	2'-5"	3'-3"	3'-0"	2'-3"	3'-0"	2'-9"	2'-1"	2'-10"	2'-7"