



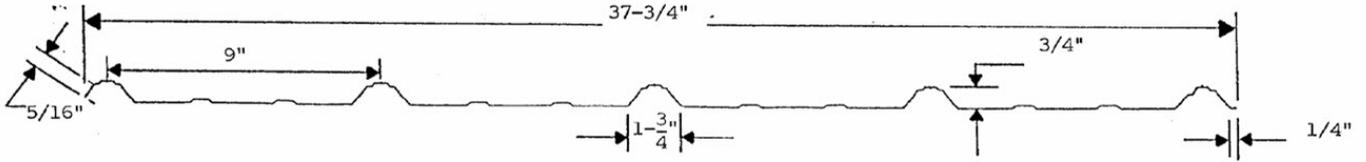
Composites

load span table

3509

GRAND RIB III

PROFILE #: 509



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	Generic: 509GP	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	Generic: 509GP	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"

We believe all information given is accurate, without guarantee. Since conditions of use are beyond our control, all risks are assumed by the user. Nothing herein shall be construed as a recommendation for uses which infringe on valid patents or as extending a license under valid patents. See our most current SDS at cranecomposites.com/sds.html prior to working with our products.

A global leading provider of resilient wall and ceiling coverings. Kemlite® was established in 1954 and the company changed names to Crane Composites in 2007. Crane Composites is headquartered in Channahon, IL and all our products are manufactured in the United States. We work with hundreds of distributors, ensuring our products are easily accessible and readily available to our customers.

The following are trademarks of Crane Composites, Inc. or a related company: SunStrong, Duralite, IsoTuff, Weatherglaze, Super 600, Crystalite, Glasbord, Kemlite, Surfaseal, Sequentia and Varietex



cranecomposites.com/engsol | 1.800.435.0080 | sales@cranecomposites.com