



010FR | 8oz. Fire Rated

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: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Fire Rated (Class A)		20 psf		30 psf			40 psf			50 psf			60 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	1 SPAN	2 SPAN	3+ SPAN
Generic: 10FR		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'-0"	4'-0"	4'-6"	3'-4"	3'-4"	3'-8"	2'-10"	2'-10"	3'-2"	2'-7"	2'-7"	2'-10"	2'-4"	2'-4"	2'-7"
Deflection Limit		2'-4"	3'-2"	2'-11"	2'-1"	2'-9"	2'-7"	1'-11"	2'-6"	2'-4"	1'-9"	2'-4"	2'-2"	1'-8"	2'-2"	2'-0"

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

010GP | 4oz. General Purpose

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

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





010GP | 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: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
General Purpose		20 psf		30 psf			40 psf			50 psf			60 psf			
5 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
Generic: 10GP																
Stress Limit		3'-5"	3'-5"	3'-10"	2'-9"	2'-9"	3'-1"	2'-5"	2'-5"	2'-8"	2'-2"	2'-2"	2'-5"	1'-11"	1'-11"	2'-2"
Deflection Limit		2'-1"	2'-10"	2'-7"	1'-10"	2'-5"	2'-3"	1'-8"	2'-3"	2'-1"	1'-6"	2'-1"	1'-11"	1'-5"	1'-11"	1'-9"

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

010GP | 8oz. 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: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
General Purpose		20 psf		30 psf			40 psf			50 psf			60 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	1 SPAN	2 SPAN	3+ SPAN
Generic: 10GP																
Stress Limit		4'-2"	4'-2"	4'-8"	3'-5"	3'-5"	3'-10"	3'-0"	3'-0"	3'-4"	2'-8"	2'-8"	3'-0"	2'-5"	2'-5"	2'-9"
Deflection Limit		2'-5"	3'-3"	3'-0"	2'-2"	2'-10"	2'-8"	1'-11"	2'-7"	2'-5"	1'-10"	2'-5"	2'-3"	1'-8"	2'-3"	2'-1"

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

010DL | 5oz. 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: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Duralite		20 psf		30 psf			40 psf			50 psf			60 psf			
5 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
Generic: 10DL																
Stress Limit		3'-5"	3'-5"	3'-10"	2'-9"	2'-9"	3'-1"	2'-5"	2'-5"	2'-8"	2'-2"	2'-2"	2'-5"	2'-0"	2'-0"	2'-2"
Deflection Limit		2'-1"	2'-10"	2'-7"	1'-10"	2'-5"	2'-3"	1'-8"	2'-3"	2'-1"	1'-7"	2'-1"	1'-11"	1'-5"	1'-11"	1'-10"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Duralite		20 psf		30 psf			40 psf			50 psf			60 psf			
5 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
Generic: 10DL																
Stress Limit		3'-11"	3'-11"	4'-5"	3'-3"	3'-3"	3'-7"	2'-9"	2'-9"	3'-1"	2'-6"	2'-6"	2'-9"	2'-3"	2'-3"	2'-6"
Deflection Limit		2'-9"	3'-8"	3'-5"	2'-5"	3'-3"	3'-0"	2'-2"	2'-11"	2'-8"	2'-0"	2'-9"	2'-6"	1'-11"	2'-7"	2'-4"





010DL | 8oz. Duralite

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

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

010CR | 4oz. Crystalite

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ROOFING: POSITIVE LOADS		LIMITING CRITERIA: 2.5 to 1 Safety Factor						45 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Crystalite		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 10CR	4 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		3'-1"	3'-1"	3'-5"	2'-6"	2'-6"	2'-10"	2'-2"	2'-2"	2'-5"	1'-11"	1'-11"	2'-2"	1'-9"	1'-9"	2'-0"
Deflection Limit		1'-11"	2'-7"	2'-5"	1'-8"	2'-3"	2'-1"	1'-7"	2'-1"	1'-11"	1'-5"	1'-11"	1'-9"	1'-4"	1'-10"	1'-8"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Crystalite		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 10CR	4 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		3'-7"	3'-7"	4'-0"	2'-11"	2'-11"	3'-3"	2'-6"	2'-6"	2'-10"	2'-3"	2'-3"	2'-6"	2'-1"	2'-1"	2'-3"
Deflection Limit		2'-7"	3'-5"	3'-2"	2'-3"	3'-0"	2'-9"	2'-0"	2'-9"	2'-6"	1'-11"	2'-6"	2'-4"	1'-9"	2'-4"	2'-2"

010CR | 5oz. Crystalite

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: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Crystalite		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 10CR	5 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		3'-5"	3'-5"	3'-10"	2'-9"	2'-9"	3'-1"	2'-5"	2'-5"	2'-8"	2'-2"	2'-2"	2'-5"	2'-0"	2'-0"	2'-2"
Deflection Limit		2'-1"	2'-10"	2'-7"	1'-10"	2'-5"	2'-3"	1'-8"	2'-3"	2'-1"	1'-7"	2'-1"	1'-11"	1'-5"	1'-11"	1'-10"

ROOFING/SIDING: WIND LOADS		LIMITING CRITERIA: 1.88 to 1 Safety Factor						20 to 1 Deflection Limit Ratio (L/D)								
Panel Description: 2-1/2 x 1/2		Panel Strength = 15000 psi						Flexural Modulus = 1000000 psi								
Crystalite		20 psf		30 psf			40 psf			50 psf			60 psf			
Generic: 10CR	5 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		3'-11"	3'-11"	4'-5"	3'-3"	3'-3"	3'-7"	2'-9"	2'-9"	3'-1"	2'-6"	2'-6"	2'-9"	2'-3"	2'-3"	2'-6"
Deflection Limit		2'-9"	3'-8"	3'-5"	2'-5"	3'-3"	3'-0"	2'-2"	2'-11"	2'-8"	2'-0"	2'-9"	2'-6"	1'-11"	2'-7"	2'-4"