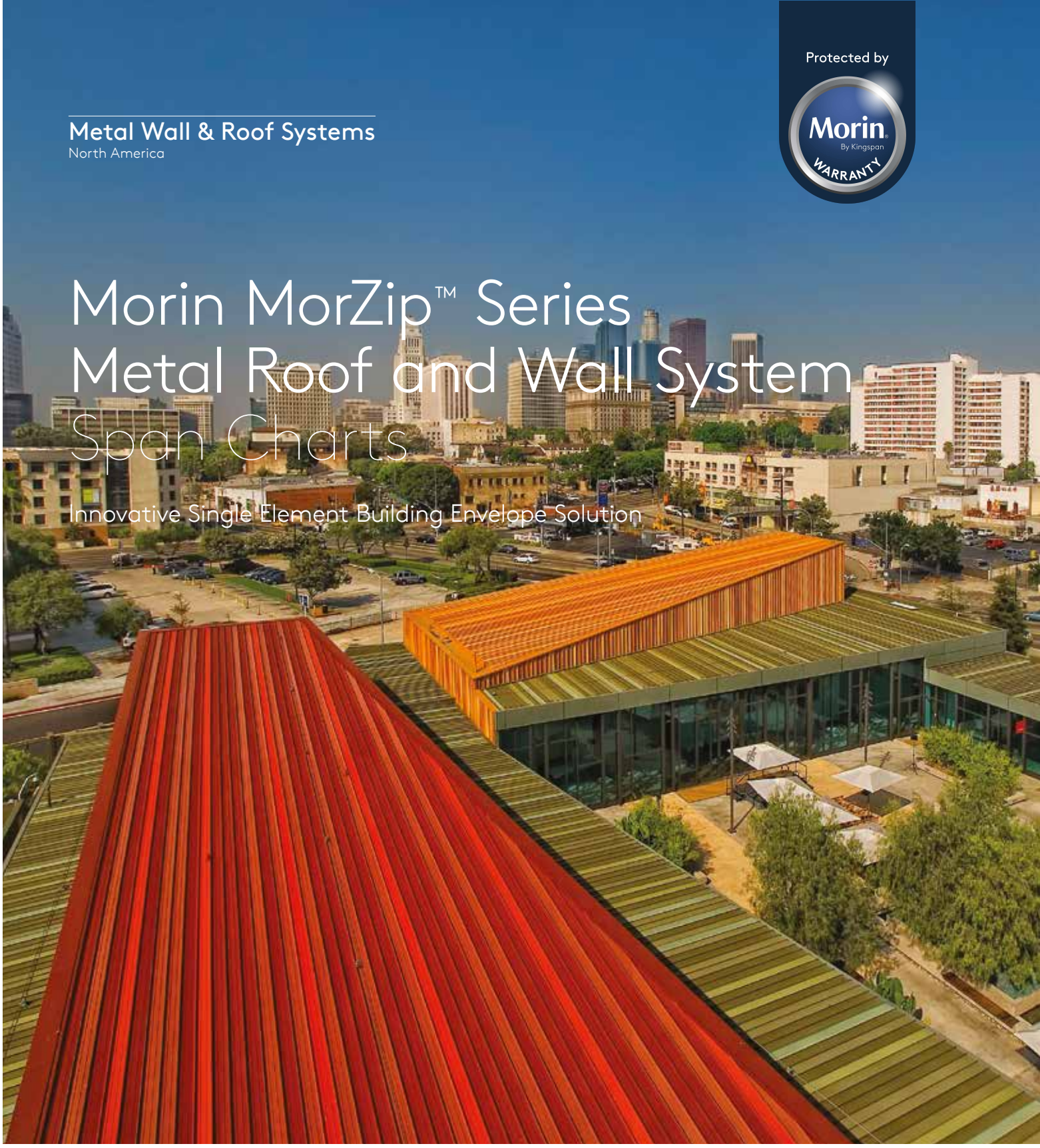
Metal Wall & Roof Systems
North America

Protected by Morin By Kingspan WARRANTY

Morin MorZip™ Series Metal Roof and Wall System Span Charts

Innovative Single Element Building Envelope Solution



PLANET PASSIONATE

Morin® By Kingspan

Product Data

Morin MorZip™ Series Range

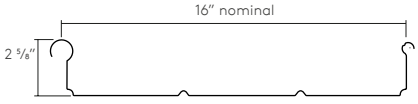
The Morin MorZip™ Series system offers unsurpassed weather tightness with slopes as low as 1/2: 12. This system is ideal for projects that involve tapering and curving. On-site roll forming is available.

Profile Options

MZ-12-2



MZ-16-2



MZ-18-2





Applications

Panels may be installed as roof, wall, or both for new or retrofit applications. Panels can be curved tapered or straight tapered.

Available Lengths

Standard Lengths (ft)	5′ – 40′ (1.52 – 12.19m)

Shorter and longer lengths available on request.

Load / Span Data

Galvalume

Panel Type	Panel Width (in.)	Panel Thickness (ga.)	Deflection Limit	Clip Type	Allowable Uplift Pressures (psf), Panel Span (ft.)									
					1.0	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Morin MorZip™ Series	12	24*	L/180	MorZip Clip	68.1	60.6	56.9	53.2	49.4	45.7	41.9	38.2	34.5	30.7
		22*			91.5	80.6	75.1	69.6	64.2	58.7	53.3	47.8	42.3	36.9
		20*			138.9	119.4	109.7	99.9	90.2	80.4	70.7	60.9	51.2	41.5
	16	24			78.4	65.1	58.6	52.0	45.5	38.9	32.3	25.7	19.1	12.5
		22*			81.4	71.4	66.4	61.4	56.5	51.5	46.5	41.6	33.1	30.6
		20*			84.5	77.7	74.3	70.9	67.5	64.1	60.7	57.4	52.3	47.9
	18	24*			23.4	23.0	22.8	22.6	22.5	22.3	22.1	21.9	21.7	21.5
		22*			36.4	34.7	33.8	33.0	32.1	31.2	30.4	29.5	28.6	27.8
		20*			79.1	73.0	69.9	66.9	63.8	60.7	57.7	54.5	51.5	48.5

Notes:

1 Values shown are uniformly distributed negative loads for multiple span conditions (≥3 spans).
2 Values do not include consideration of sub-framing or fasteners, to be determined by qualified personnel.
3 All pressures values reflect safety factor of 2.0 (Ultimate load/2.0).
4 Ultimate loads determined from ASTM E1592 testing which is limited to the assembly of metal panel, MorZip clip and fasteners system, does not include – flashing, sealants, sub-framing, metal studs, and insulation.
5 Requires use of MorZip Clip.
6 * Indicates tested material (all other values are interpolated).
7 Galvalume material confirming to ASTM A792.
8 For project specific calculations, please contact Morin Technical Services at 800-640-9501.

Aluminum

Panel Type	Panel Width (in.)	Panel Thickness (in.)	Deflection Limit	Clip Type	Allowable Uplift Pressures (psf), Panel Span (ft.)									
					1.0	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
Morin MorZip™ Series	12	0.040*	L/180	MorZip Clip	67.8	60.3	56.6	52.8	49.1	45.4	41.6	37.9	34.2	30.4
		0.050*			133.5	111.5	100.5	89.5	78.5	67.5	56.5	45.5	34.5	23.5
	16	0.040*			42.7	39.2	37.4	35.6	33.8	32.0	30.2	28.5	26.7	24.9
		0.050*			61.9	55.2	51.8	48.5	45.1	41.7	38.4	35.0	31.6	28.3
	18	0.040*			28.8	27.1	26.2	25.4	24.5	23.6	22.8	21.9	21.0	20.2
		0.050			44.0	41.2	39.8	38.4	37.0	35.6	34.2	32.8	31.4	30.0

Notes:

1 Values shown are uniformly distributed negative loads for multiple span conditions (≥3 spans).
2 Values do not include consideration of sub-framing or fasteners, to be determined by qualified personnel.
3 All pressures values reflect safety factor of 2.0 (Ultimate load/2.0).
4 Ultimate loads determined from ASTM E1592 testing which is limited to the assembly of metal panel, MorZip clip and fasteners system, does not include – flashing, sealants, sub-framing, metal studs, and insulation.
5 Requires use of MorZip Clip.
6 * Indicates tested material (all other values are interpolated).
7 Aluminum material confirming to 3004-H34; reach out to Morin technical for anodized (5005-H34) or any other Aluminum material.
8 For project specific calculations, please contact Morin Technical Services at 800-640-9501.

Contact Details

USA

HQ / East
685 Middle Street | Bristol
CT 06010

T: 1-800-640-9501

West
10707 Commerce Way | Fontana
CA 92337

T: 1-800-700-6140

South
1975 Eidson Drive | DeLand
FL 32724

T: 1-800-640-9501

Central
15000 Panatela Parkway | Little Rock
AR 72206

T: 1-800-640-9501

www.morincorp.com

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