



ALPINE SNOWGUARDS

A Division of Vermont Slate & Copper Services, Inc.

Web www.alpinesnowguards.com
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Toll Free Phone 1.888.766.4273
Toll Free Fax 1.888.766.9994
289 Harrell Street. Morrisville, VT 05661

Clamp Model	Panel Manufacturer	Panel Name	Thickness	Material	Finish	Screw Tension	Ultimate	Failure Mode	Allowable FS=2
U	A&S	Double-Lok 124	24	Ga Steel	PVDF	115	1170	A	585
U	A&S	DuraSeal Seam	24	Ga Steel	PVDF	115	1170	A	585
U	A&S	DuraSeal Snap	.024	steel	PVDF	115	2,668	B	1,334
U	A&S	Ultra Dek 124	.024	steel	PVDF	115	2,668	B	1,334
U	AEP Span	High Seam	.024	steel	PVDF	115	1,721	B/F	861
U	AEP Span	Snap Seam	.024	steel	PVDF	115	2,774	B/F	1,387
A	AEP Span	SpanLok	.024	G90 Grade D	PVDF	115	2350	B	1175
U	Architectural Building Components	Permaseam	.024	steel	PVDF	115	2,774	B/F	1,387
U	Associated Building Systems	KA-2000	24	Ga Steel	PVDF	115	1518	B	759
U	ATAS	MRD-150	.032	alum	PVDF	115	1,486	B/F	743
U	ATAS	MRD-150	.024	steel	PVDF	115	1,367	B/F	684
A	Atas Intl	Dutch Seam MRD- 150	.032	Alum- 3105 H14	PVDF	115	1220	A/E	610
A	Atas Intl	Dutch Seam MRD- 150	.024	G-90 Steel CQ	PVDF	115	1805	A	902
U	Bax-Steel Buildings, Inc.	Bax-Lock	.024	steel	PVDF	115	2,453	B	1,226
U	BC Steel Buildings	BCL 24-MS	.024	steel	PVDF	115	2,453	B	1,226
U	BC Steel Buildings	BCL 24-SD	24	Ga Steel	PVDF	115	1467	A	733
U	Berridge	Cee-Lock	.024	steel	PVDF	115	2,530	B	1,265
U	Berridge	Tee Panel ²	.024	steel	PVDF	115	791	B	395
A	Berridge	Zee Lock (double fold)	.024	Steel	PVDF	115	1254	A/B	627
A	Berridge	Zee Lock (single fold)	.024	Steel	PVDF	115	1176	B	588
U	BHP	Zip Rib	.024	steel	PVDF	115	3,735	B	1,867
U	Butler	Genesis 360	.024	steel	PVDF	115	1,124	B	562
A	Butler	MR24	.024	AZ55 Steel	PVDF	115	1077	A	538
U	Butler	MR24	.024	steel	Galvme	115	2,114	B	1,057
U	Butler	VSR	.024	steel	PVDF	115	1,936	B/F	968
U	Carlisle Engineered Metals, Inc.	Architectural Panel	.024	steel	PVDF	115	2,774	B/F	1,387
U	Carlisle Engineered Metals, Inc.	VersaLok Panel	.024	steel	PVDF	115	2,453	B	1,226
U	Centria	ADP 100	.024	steel	PVDF	115	748	A/B	374
U	Centria	SDP 175	.024	steel	PVDF	115	2,774	B/F	1,387
U	Centria	SDP 200	.024	steel	PVDF	115	2,475	B/D/F	1,238
T	Centria	SDP-250	.024	steel	PVDF	115	1673	B	836
U	Centria	SDP 300	.024	steel	PVDF	115	2,339	B/D/F	1,170
T	Centria	SRS-3	.022	steel	PVDF	115	1397	B	698
T	Centria	SRS-2	.024	steel	PVDF	115	1166	B	583
T	Centria	SRS-2	.022	steel	PVDF	115	1343	B	671
U	Chief Industries	MSC Panel	.024	steel	PVDF	115	2,453	B	1,226
U	Chief Industries	STC Panel	.024	steel	PVDF	115	2,668	B	1,334
U	Construction Metals, Inc.	Barrier Roof	.024	steel	PVDF	115	2,668	B	1,334
U	Construction Metals, Inc.	Sur-Lock	.024	steel	PVDF	115	2,453	B	1,226
U	Copper Sales	UC4	.024	steel	PVDF	115	1,883	B/F	942
A	Copper Sales	Unaclad UC-3	.024	Steel	PVDF	115	1491	A/B	745



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U	Corle Building Systems	Seam-Lok	.024 steel	PVDF	115	2,453	B	1,226
U	Corle Building Systems	Snap-Seal	.024 steel	PVDF	115	2,668	B	1,334
Z	Corus	Kal Zip	.024 steel	PVDF	115	3,735	B	1,867
U	Dean Steel Buildings, Inc.	Pro Seam Panel	.024 steel	PVDF	115	2,668	B	1,334
U	Englert	Series 2000	.024 steel	PVDF	115	2,349	B	1,175
U	Fab Tech, Inc.	Seam-Lok	.024 steel	PVDF	115	2,453	B	1,226
U	Fab Tech, Inc.	Snap-Seal	.024 steel	PVDF	115	2,668	B	1,334
A	Fabral	2" double folded SS	.040 Alum (embossed)	mill	115	2427	A/E	1213
U	Fabral	2-1/2" SSR ³	.024 steel	PVDF	115	1,618	F	809
U	Fabral	2-1/2" SSR ³	.032 alum	PVDF	115	1,236	B/F	618
A	Fabral	2-1/2" SSR	.024 Steel	PVDF	115	1577	B	788
A	Fabral	2-1/2" SSR	.032 Alum	PVDF	115	1049	E	524
U	Fabral	3" Snap Rib	.024 steel	Galvme	115	1,990	B	995
A	Fabral	3" SnapRib	.024 Steel	PVDF	115	930	A	465
U	Fabral	Slim Seam	.032 alum	PVDF	115	1,529	F	765
U	Fabral	Slim Seam	.024 steel	PVDF	115	1,782	B/F	891
U	Fabral	Slim Seam	.032 alum	PVDF	115	1,448	B	724
A	Fabral	SlimSeam	.024 Steel	PVDF	115	1119	A	559
A	Fabral	SlimSeam	.032 Alum	PVDF	115	834	A	417
U	Fabral	Stand N Seam	.024 steel	PVDF	115	2,226	B	1,113
U	Fabral	Stand N Seam	.032 alum	PVDF	115	1,788	B/F	894
A	Fabral	StandNSeam	.024 Steel	PVDF	115	1206	B	603
A	Fabral	StandNSeam	.032 Alum	PVDF	115	1392	A	696
U	Galvak, S.A. De C.V.	Galvalok I	.024 steel	PVDF	115	2,668	B	1,334
U	Galvak, S.A. De C.V.	Galvalok II	.024 steel	PVDF	115	2,453	B	1,226
U	Garco Building Systems	Garco Standing Seam	.024 steel	PVDF	115	2,668	B	1,334
Z	Hoogovens Aluminum Building Systems	Kal Zip	.024 steel	PVDF	115	3,735	B	1,867
U	Kirby Building Systems	Kirbylok 2000	.024 steel	PVDF	115	2,668	B	1,334
U	Kirby Building Systems	Kirbylok 2000 MS	.024 steel	PVDF	115	2,453	B	1,226
U	Knudson Building Systems	KR-20	.024 steel	PVDF	115	2,349	B	1,175
A	Knudson Mfg.	1" double folded SS	.024 Steel	PVDF	115	1494	B	747
A	Knudson Mfg.	1-1/2" double folded SS	.024 Steel	PVDF	115	1119	A/B	559
U	Laura Star-Roof, BV	Artlock	24 Ga Steel	PVDF	115	1518	B	759
U	Laura Star-Roof, BV	Spanlock	24 Ga Steel	PVDF	150	2208	A	1104
A	MBCI	BattenLok	24 Ga Steel	PVDF	115	1518	B	759
A	MBCI	BattenLok	22 Ga Steel	PVDF	115	978	B	489
U	MBCI	BattenLok	.024 steel	PVDF	115	1,558	F	779
U	MBCI	BattenLok	.030 steel	PVDF	150	2,280	B/F	1,140
A	MBCI	DoubleLok	24 Ga Steel	PVDF	115	1170	A	585
A	MBCI	DoubleLok	22 Ga Steel	PVDF	115	1356	A	678
U	MBCI	DoubleLok	.024 steel	PVDF	115	2,453	B	1,226
U	MBCI	DoubleLok	.030 steel	PVDF	150	3,130	B	1,565
A	MBCI	LokSeam	.024 Steel	PVDF	115	2172	B	1086



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U	MBCI	LokSeam	.024 steel	PVDF	115	2,774	B/F	1,387
U	MBCI	LokSeam	.030 steel	PVDF	150	3,167	B	1,583
A	MBCI	SuperLok	24 Ga Steel	PVDF	150	2208	A	1104
A	MBCI	SuperLok	22 Ga Steel	PVDF	150	1164	B	582
U	MBCI	SuperLok	.024 steel	PVDF	115	1,779	B	889
U	MBCI	SuperLok	.030 steel	PVDF	150	2,285	B	1,142
A	MBCI	UltraDek	24 Ga Steel	PVDF	115	1467	A	733
A	MBCI	UltraDek	22 Ga Steel	PVDF	115	1494	A	747
U	MBCI	UltraDek 124	.024 steel	PVDF	115	2,668	B	1,334
U	MBCI	UltraDek 124	.030 steel	PVDF	150	2,725	B	1,362
U	McElroy Metals	Master-Lok 90 (ML90)	.024 steel	PVDF	115	2,668	B	1,334
U	McElroy Metals	Maxima	.024 steel	PVDF	115	2,475	B/D/F	1,238
U	McElroy Metals	Medallion-Lok	.024 steel	PVDF	115	2,774	B/F	1,387
U	Merchant & Evans	#305	.040 alum	PVDF	115	1,902	F	951
U	Merchant & Evans	#305	.032 alum	PVDF	115	1,653	B/F	827
U	Merchant & Evans	#305	.024 steel	PVDF	115	1,915	B/F	958
U	Merchant & Evans	#306 ²	.040 alum	PVDF	115	713	A/B	357
U	Merchant & Evans	#306 ²	.032 alum	PVDF	115	802	A/B	401
U	Merchant & Evans	#306 ²	.024 steel	PVDF	115	748	A/B	374
U	Merchant & Evans	Interlock	.040 alum	PVDF	115	2,026	B/F	1,013
U	Merchant & Evans	Interlock	.024 steel	PVDF	115	2,419	D/F	1,210
U	Merchant & Evans	Interlock ¹	.032 alum	PVDF	60	1,267	B/F	634
Z	Merchant & Evans	Zip Rib	.032 alum	PVDF	115	2642	B	1321
Z	Merchant & Evans	Zip Rib	.040 alum	PVDF	115	2460	F	2460
Z	Merchant & Evans	Zip Rib	.024 steel	PVDF	115	1766	B	883
U	Mesco	Double-Lok	.024 steel	PVDF	115	2,453	B	1,226
U	Mesco	Ultra Dek	.024 steel	PVDF	115	2,668	B	1,334
U	NCI/Midwest Metallic	216	24 Ga Steel	PVDF	115	1518	B	759
U	NCI/Midwest Metallic	BattenLok	24 Ga Steel	PVDF	115	1518	B	759
U	NCI/Midwest Metallic	Double-Lok	.024 steel	PVDF	115	2,453	B	1,226
U	NCI/Midwest Metallic	Ultra Dek	.024 steel	PVDF	115	2,668	B	1,334
U	NCI/Midwest Metallic	Weather Roof II	.024 steel	PVDF	115	2,668	B	1,334
U	NCI/Midwest Metallic	Weather Roof III	.024 steel	PVDF	115	2,453	B	1,226
U	NU-TECH Machine	Sure Lock 1-1/2	.024 steel	PVDF	115	1,838	B	919
U	NU-TECH Machine	Sure Lock II 1-3/4	.024 steel	PVDF	115	2,349	B	1,175
A	Petersen Aluminum	Redi-Roof SS	.024 G90 Steel	PVDF	115	1335	A/B	667
A	Petersen Aluminum	Redi-Roof SS	.032 Alum	PVDF	115	980	B	490
U	Peterson Aluminum	Redi Roof	.024 steel	PVDF	115	1,795	B/F	898
U	Peterson Aluminum Corp	Snap Clad	.024 steel	PVDF	115	2,774	B/F	1,387
B	Revere CR copper	double fold ss	16 oz	mill	115	1,497	F	749
A	Rheinzink	1" Double Folded SS	.7mm tit-zinc	mill	115	1400	F	700
U	Rheinzink	1" Double Folded SS	.7mm tit-zinc	mill	115	1262	F	631
U	Rheinzink	1" Double Folded SS	.8mm tit-zinc	mill	115	1085	F	542



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A	Star	Starshield	.024 Galvalume	mill	115	1494	B	747
U	Star	Starshield	.024 steel	AZ55	115	1,519	B	759
U	Star	Starshield	.024 steel	AZ55	150	2,047	B	1,023
U	Steel Span, Inc	Trapezoidal	.024 steel	PVDF	115	2,668	B	1,334
U	Steel Span, Inc.	Architectural	.024 steel	PVDF	115	1,558	F	779
U	Steelco	Barrier Roof Panels	.024 steel	PVDF	115	2,668	B	1,334
U	Steelco	Sur-Lock	.024 steel	PVDF	115	2,453	B	1,226
A	Steelex Systems	Steelex 264	.024 Galvalume	mill	115	2235	B/F	1117
U	Tomen Building Components	No 305 Panel	.024 steel	PVDF	115	1,721	B/F	861
U	United Structures of America	Guardian I	.024 steel	PVDF	115	2,668	B	1,334
U	United Structures of America	Guardian II	.024 steel	PVDF	115	2,453	B	1,226
U	Varco Pruden	SSR	.024 steel	Galvme	115	2,574	B	1,287

¹CAUTION: Note screw tension to avoid damage to this profile.

²CAUTION: These are cap-seam type profiles.

CONTACT US PRIOR TO INSTALLATION IF YOUR PANEL IS NOT LISTED ABOVE.

***FAILURE:** For the purpose of this test, any of the following occurrences shall be considered "failure":

- A. Disengagement of clamp from panel seam
- B. Clamp displacement of a distance of more than 8 millimeters (.315")
- C. Breakage or fracturing of clamp or fasteners
- D. Stripping of the clamp set screws
- E. Fracturing of any area of panel seam
- F. Buckling or any other structural or severe cosmetic damage to panel seam