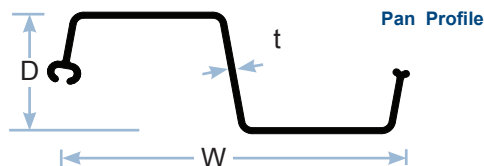
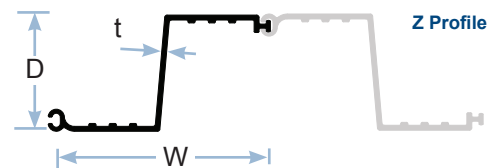
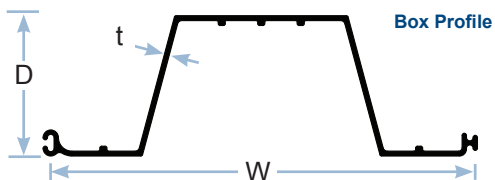


	Units	Section Modulus (Z)	Moment of Inertia (I)	Thickness (t)	Section Depth (D)	Section Width (W)	Impact Strength	Profile	Standard Color	UV Protection	Standard Packaging	I-Beam Lock
		in ³ /ft x10 ³ mm ³ /m	in ⁴ /ft x10 ⁴ mm ⁴ /m	In mm	In mm	In mm	in-lbs/in ² N-mm/mm ²				Sheets/ Bundle	
Vinyl	SG-950	56.8 3.05	341 466	0.650 16.5	12 305	18 457	17,500 3,063	Z	GREY	YES	6	YES
	SG-750	36.4 1.96	182 249	0.460 11.7	10 254	12 305	15,000 2,625	Z	GREY	YES	12	YES
	SG-650	30.0 1.61	150 205	0.400 10.2	10 254	18 457	15,000 2,625	Z	GREY	YES	12	YES
	SG-625	24.4 1.31	122 167	0.385 9.8	10 254	30 762	15,000 2,625	Box	GREY	YES	8	YES
	CL-9900	20.0 1.08	90 123	0.350 8.9	9 229	24 610	13,750 2,406	Box	GREY	YES	20	NO
	SG-550	19.5 1.05	78 107	0.370 9.4	8 203	12 305	15,000 2,625	Z	GREY	YES	20	YES
	SG-525	17.6 0.95	79 108	0.290 7.4	9 229	24 610	13,750 2,406	Box	GREY	YES	20	YES
	CL-9000	16.2 0.87	73 100	0.280 7.1	9 229	24 610	13,750 2,406	Box	GREY	YES	20	NO
	SG-400	15.0 0.81	60 82	0.300 7.6	8 203	12 305	13,750 2,406	Z	GREY	YES	20	YES
	SG-425	14.3 0.77	57 78	0.285 7.2	8 203	24 610	13,750 2,406	Box	GREY	YES	20	YES
	SG-300	11.7 0.63	41 56	0.250 6.4	7 178	12 305	13,750 2,406	Z	GREY	YES	20	YES
	SG-325	11.1 0.60	39 53	0.250 6.4	7 178	24 610	13,750 2,406	Box	GREY	YES	20	YES
	SG-225	7.2 0.39	18 25	0.225 5.7	5 127	18 457	11,000 1,925	Box	GREY	YES	15	YES
	CL-4500	5.8 0.31	13 18	0.215 5.5	4.5 114	12 305	11,000 1,925	Pan	GREY	YES	40	NO



Physical properties are defined by ASTM testing standards, The Aluminum Association Design Manual, and/or standard engineering practice. The values shown are nominal and may vary. The information found in this document is believed to be true and accurate. No warranties of any kind are made as to the suitability of any CMI product for particular applications or the results obtained there from. ShoreGuard, C-Loc, TimberGuard, GeoGuard, Dura Dock, Shore-All, and Gator Gates are registered trademarks of Crane Materials International. ArmorWare, Ultra Composite, GatorDocks, and CMI Waterfront Solutions are trademarks of Crane Materials International. United States and International Patent numbers 5,145,287; 5,881,508; 6,000,883; 6,033,155; 6,053,666; D420,154; 4,674,921; 4,690,588; 5,292,208; 6,575,667; 7,059,807; 7,056,066; 7,025,539; 1,245,061; Other patents pending. © 2007 Crane Materials International. All Rights Reserved.

Vinyl Material Properties

Minimum tensile stress: 6,500 psi
Source: ASTM 4216 Class: 414433

Recommended Design Stress: 3,200 psi (σ_{allow})
Source: USACE (*Design Stress for Vinyl Sheet Piling White Paper*)

Determining Bending Strength:

Sample Vinyl Calculation: SG 650

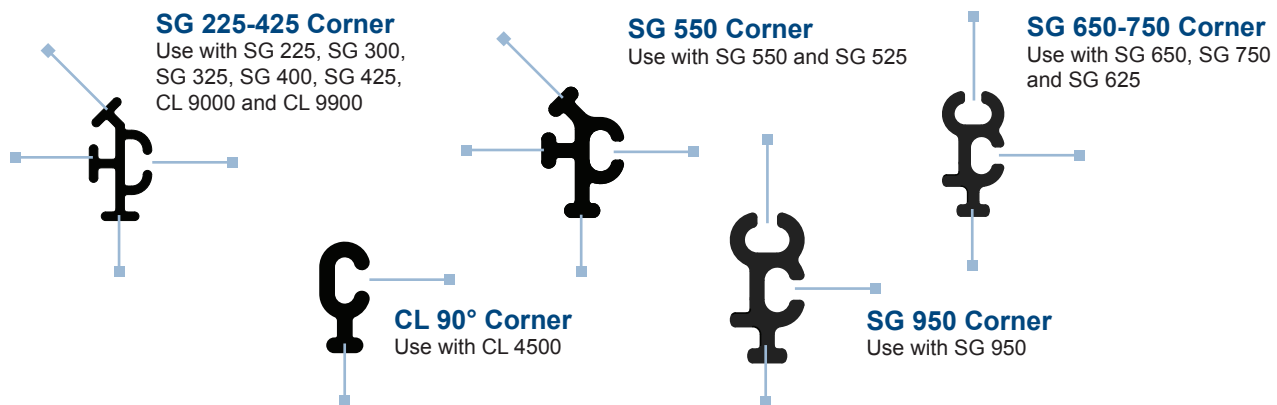
$$M = Z \times \sigma_{allow}$$

$$= 30.0 \text{ in}^3/\text{ft} \times 3,200 \text{ psi}$$

$$= 96,000 \text{ in-lbs/ft} \div 12 \text{ in/ft}$$

$$= 8,000 \text{ ft-lbs/ft}$$

Corner Pieces for Sheet Piling



Capping Compatibility Chart

Profile	Related Sheet Piling
575, 575 STR	SG-225, CL-4500
850, 850 STR	SG-300, SG-325, SG-400, SG-425, SG-550
855 855 STR	SG-300, SG-325, SG-400, SG-425, SG-550
1075 1075 STR	SG-525, SG-625, SG-750, SG-650, CL-9900, CL-9000

