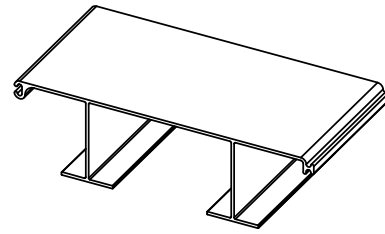




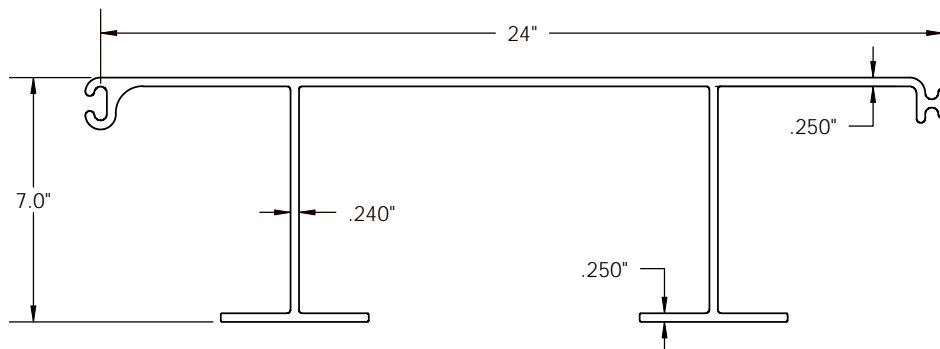
Technical Specifications Packet

For more information or to download CAD files of these specs, visit cmisheetpiling.com.

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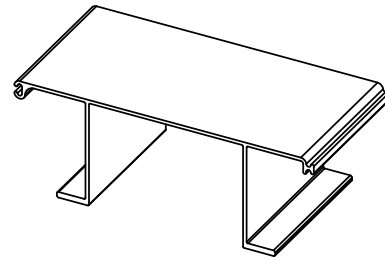


Allowable Moment (M)	5,467 lb-ft/ft	24.32 kN-m/m
Section Modulus (Z)	20.5 in ³ /ft	1,102 cm ³ /m
Moment of Inertia (I)	45 in ⁴ /ft	6,145 cm ⁴ /m
Impact Strength	13,750 in-lbs/in ²	2,406 N-mm/mm ²
Thickness (t)	0.250 in, 0.240 in	6.4 mm, 6.1 mm
Section Depth	7.0 in	178 mm
Section Width	24 in	610 mm
Material	Weatherable Rigid Vinyl	
Standard Colors	Textured Grey, Textured Clay	
Profile/Patented Features	Flat Profile, I-Beam Lock	
Standard Packaging	8 sheets/bundle	

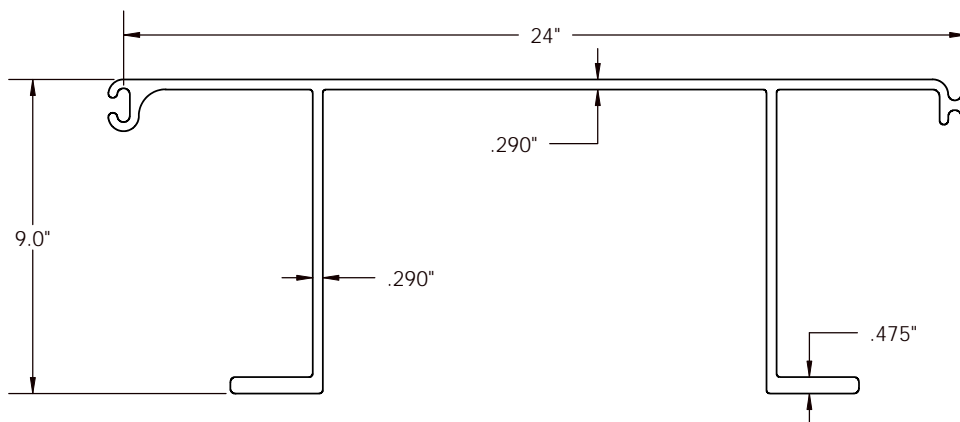


Physical properties are defined by ASTM testing standards, The Aluminum Association Design Manual, The Naval Facilities Design Manual DM 7.2, The US Army Corps of Engineers General Design Guide: PVC Sheet Pile and/or standard engineering practice. The values shown are nominal and may vary. The information 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. Crane Materials International is a Crane Building Products® company. ShoreGuard®, The ShoreGuard Seawall System™, C-Loc®, TimberGuard®, GeoGuard®, Dura Dock®, Shore-All®, GatorGates®, GatorDock Elite™, ArmorWare™, ArmorRod™, Box Profile™, UltraComposite™, Elite Wall™, Elite Panel™, Elite Fascia Panel™, Flat Panel™, XCR™, XCR Technology™, XCR Vinyl™, GatorBridge™, Gator Aluminum™, Gator Sheet Piling™, GatorDock™, I-Beam Lock™, Textured Slate™, Crane Materials International™ logo, CMI Sheet Piling Solutions™, Aqua Terra System™, Endurance™, Endurance CSPTM, Palaris™, Eclipse™, GridSpine™, 21 Poly™, PileClaw™, SheerScape™, SheerScape Retaining Wall Systems™, Sheer Panel™ and CMI Waterfront Solutions™ are trademarks, service marks or trade names of Crane Materials International. United States and International Patent numbers 4,674,921; 4,690,588; 5,292,208; 5,145,287; 6,000,883; 6,033,155; 6,053,666; D420,154; 6,575,667; 7,059,807; 7,056,066; 7,025,539; 7,393,482; 5,503,503; 5,803,672; 6,231,271; 1,245,061CA and other patents pending. © 2011 Crane Materials International. All Rights Reserved.

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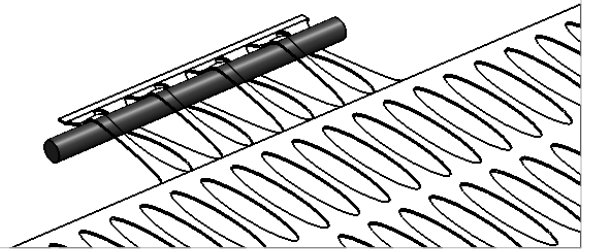


Allowable Moment (M)	8,320 lb-ft/ft	37.01 kN-m/m
Section Modulus (Z)	31.2 in ³ /ft	1,677 cm ³ /m
Moment of Inertia (I)	91 in ⁴ /ft	12,430 cm ⁴ /m
Impact Strength	13,750 in-lbs/in ²	2,406 N-mm/mm ²
Thickness (t)	0.290 in, 0.475 in	7.4 mm, 12.1 mm
Section Depth	9.0 in	229 mm
Section Width	24 in	610 mm
Material	Weatherable Rigid Vinyl	
Standard Colors	Textured Grey, Textured Clay	
Technology	Flat Profile, I-Beam Lock, XCR™	
Standard Packaging	6 sheets/bundle	



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SS ConnectorRod



Rod Diameter	5/8"		
Material	Ultracomposite FRP		
Tensile Stress, LW	100,000 psi	689 Mpa	ASTM D3916
Tensile Modulus, LW	6.0 x10 ⁶ psi	41,369 Mpa	ASTM D3916
Flexural Stress, LW	100,000 psi	689 Mpa	ASTM D790
Flexural Modulus, LW	6.0 x10 ⁶ psi	41,369 Mpa	ASTM D790
Short Beam Shear, LW	5,500 psi	38 Mpa	
Barcol Hardness	50		ASTM D2583
24 hr. Water Absorption	0.25% Max		ASTM D570
Density	.072-.076 lbs/in ³		ASTM D792
Coefficient of Thermal Expansion	5 x10 ⁻⁶ in/in/°F		ASTM D696

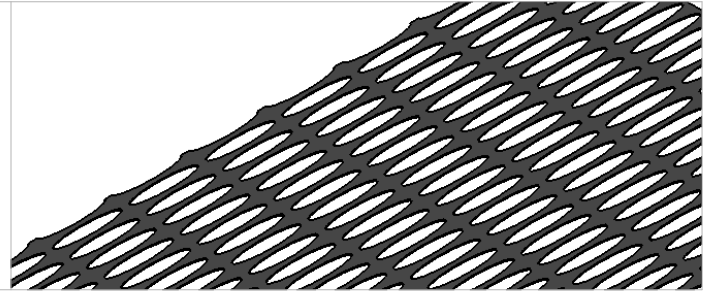
For Use With	FP-575	FP-475
Recommended SheerScape™ Grid	SS800	SS800
SS ConnectorRod Length	9 1/2"	11"
Connection Coverage*	21%	67%
Ultimate Connection Strength**	542 lb/ft (807 kg/m)	1,733 lb/ft (2,579 kg/m)

* Based on 5 strands of connection per panel for FP-575 and 16 strands of connection per panel for FP-475. There are approximately 2' and 24 SS800 Grid strands available for every FP panel.

** 100% connection strength per coverage width when connection configuration is maximized and the recommended 18" column of gravel is incorporated for proper drainage and compaction.

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SS800 Grid



Tensile Strength @ 5% Strain	960 lb/ft	14 kN/m
Ultimate Tensile Strength	2,600 lb/ft	38 kN/m
Junction Strength	2,230 lb/ft	32.5 kN/m
Flexural Stiffness	0.304 lb-in	350,000 mg-cm
Recommended Long-Term Max Strength (120yr Design Life)	835 lb/ft	12.2 kN/m
Min Reduction Factor for Installation Damage (RF_{ID})		1.05
Reduction Factor for Creep for 120yr Design Life (RF_{CR})		2.96
Minimum Reduction Factor for Durability (RF_{ID})		1.00
Material	High Density Polyethylene	
Standard Packaging	4', 8', & 10' Width Rolls x 164' Length	

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