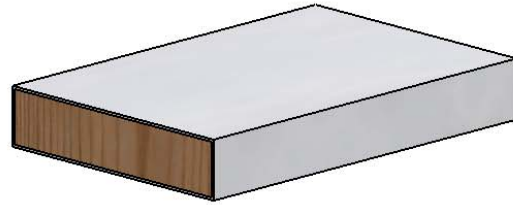


TG 2 x 8 Wale



| | | |
|--|--|--------------------|
| Moment of Inertia (I) (weak axis) | 2.0 in ⁴ | 83 cm ⁴ |
| Core Material | No. 2 Southern Pine | |
| Surface Material | UV Resistant Polymer | |
| Recommended Accessories | 90° Corner Brace, AW Rod Kits, TG End Cap, TG Wrap, TG Sealant | |
| Available Lengths | 16 ft, 20 ft | |
| Standard Colors | Clay, Grey | |

Polymer Properties

| Resin Properties | ASTM Test Method | Typical Values |
|--|------------------|--------------------|
| Density (lbs/ft ³) | D-4883 | 59.3 |
| Tensile Strength at Yield (psi) | D-638 | 3,900 |
| Tensile Strength at Break (psi) | D-638 | 2,200 |
| Elongation at Yield (%) | D-638 | 9 |
| Elongation at Break (%) | D-638 | 600 |
| Tensile Modulus (psi) | D-638 | 600 |
| Flexural Modulus (psi) | D-790 | 260,000 |
| Tensile Impact (ft-lbs/in ²) | D-1822 | 175,000 |
| Coefficient of Linear Thermal Expansion (in/in/°F) | D-4696 | 7x10 ⁻⁵ |

SPIB Design Values for No. 2 Mixed Southern Pine

| Extreme Fiber in Bending (psi) | Tension Parallel to Grain (psi) | Horizontal Shear (psi) | Compression Perpendicular to Grain (psi) | Compression Parallel to Grain (psi) | Modulus of Elasticity (psi) |
|--------------------------------|---------------------------------|------------------------|--|-------------------------------------|-----------------------------|
| 1050 | 625 | 175 | 565 | 1450 | 1,400,000 |

Uniform Load Table

| Span (L) (ft) | Max Allowable Uniform Load (Bending Moment) (lbs/ft) | Deflection Allowable Uniform Load (lbs/ft) | | | |
|---------------|--|--|-------|-------|-------|
| | | L/90 | L/180 | L/240 | L/360 |
| 4 | 146 | ----- | 130 | 97 | 65 |
| 5 | 93 | ----- | 66 | 50 | 33 |
| 6 | 65 | ----- | 38 | 29 | 19 |
| 7 | 48 | ----- | 24 | 18 | 12 |
| 8 | 36 | 32 | 16 | 12 | 8 |
| 9 | 29 | 23 | 11 | 9 | 6 |
| 10 | 23 | 17 | 8 | 6 | 4 |
| 11 | 19 | 12 | 6 | 5 | 3 |
| 12 | 16 | 10 | 5 | 4 | 2 |
| 13 | 14 | 8 | 4 | 3 | 2 |
| 14 | 12 | 6 | 3 | 2 | 2 |
| 15 | 10 | 5 | 2 | 2 | 1 |

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, Polaris™, 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.