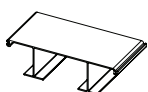


| Product | Stiffness (EI)<br>x10 <sup>6</sup> lb-in <sup>2</sup> /ft<br>kN-m <sup>2</sup> /m | Allowable Moment (M)<br>ft-lb/ft<br>kN-m/m | Section Modulus (Z)<br>in <sup>3</sup> /ft<br>cm <sup>3</sup> /m | Moment of Inertia (I)<br>in <sup>4</sup> /ft<br>cm <sup>4</sup> /m | Thickness Web/Flange (t)<br>in<br>mm | Section Depth (D)<br>in<br>mm | Section Width (W)<br>in<br>mm | Standard Packaging<br>Sheets/Bundle | Profile    |
|---------|-----------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------------|-------------------------------|-------------------------------------|------------|
| SG-950  | 130                                                                               | 15,147                                     | 56.8                                                             | 341                                                                | 0.715                                | 12                            | 18                            | 6                                   | Z          |
|         | 1,224                                                                             | 67.37                                      | 3,054                                                            | 46,567                                                             | 18.1                                 | 305                           | 457                           |                                     |            |
| SG-825  | 84                                                                                | 9,787                                      | 36.7                                                             | 220                                                                | 0.485                                | 12                            | 30                            | 5 and 10                            | Box        |
|         | 791                                                                               | 43.53                                      | 1,973                                                            | 30,043                                                             | 12.3                                 | 305                           | 762                           |                                     |            |
| SG-850  | 71                                                                                | 9,920                                      | 37.2                                                             | 186                                                                | 0.515                                | 10                            | 18                            | 12                                  | Z          |
|         | 668                                                                               | 44.12                                      | 2,000                                                            | 25,400                                                             | 13.1                                 | 254                           | 457                           |                                     |            |
| SG-750  | 60                                                                                | 8,480                                      | 31.8                                                             | 159                                                                | 0.480                                | 10                            | 18                            | 12                                  | Z          |
|         | 564                                                                               | 37.71                                      | 1,710                                                            | 21,700                                                             | 12.2                                 | 254                           | 457                           |                                     |            |
| SG-625  | 46                                                                                | 6,507                                      | 24.4                                                             | 122                                                                | 0.385                                | 10                            | 30                            | 6 and 12                            | Box        |
|         | 433                                                                               | 28.94                                      | 1,312                                                            | 16,660                                                             | 9.8                                  | 254                           | 762                           |                                     |            |
| CL-9900 | 34                                                                                | 5,333                                      | 20.0                                                             | 90                                                                 | 0.35                                 | 9                             | 24                            | 20                                  | Box        |
|         | 320                                                                               | 23.72                                      | 1,075                                                            | 12,290                                                             | 8.90                                 | 229                           | 610                           |                                     |            |
| CL-9000 | 28                                                                                | 4,320                                      | 16.4                                                             | 74                                                                 | 0.280                                | 9                             | 24                            | 20                                  | Box        |
|         | 264                                                                               | 19.22                                      | 871                                                              | 9,969                                                              | 7.1                                  | 229                           | 610                           |                                     |            |
| SG-425  | 22                                                                                | 3,813                                      | 14.3                                                             | 57                                                                 | 0.29                                 | 8                             | 24                            | 20                                  | Box        |
|         | 207                                                                               | 16.96                                      | 769                                                              | 7,784                                                              | 7.2                                  | 203                           | 610                           |                                     |            |
| FP-475  | 17                                                                                | 5,467                                      | 20.5                                                             | 45                                                                 | 0.240/0.250                          | 7                             | 24                            | 12                                  | Flat Panel |
|         | 160                                                                               | 24.32                                      | 1,102                                                            | 6,145                                                              | 6.1/6.4                              | 178                           | 610                           |                                     |            |
| SG-325  | 15                                                                                | 2,960                                      | 11.1                                                             | 39                                                                 | 0.250                                | 7                             | 24                            | 20                                  | Box        |
|         | 141                                                                               | 13.17                                      | 597                                                              | 5,326                                                              | 6.4                                  | 178                           | 610                           |                                     |            |
| SG-225  | 7                                                                                 | 1,920                                      | 7.2                                                              | 18                                                                 | 0.225                                | 5                             | 18                            | 15                                  | Box        |
|         | 64                                                                                | 8.54                                       | 387                                                              | 2,458                                                              | 5.7                                  | 127                           | 457                           |                                     |            |

## Premium\* & Standard Color Options



**PROFILE:**  
Flat Panel™



Woodgrain  
Brown\*



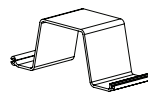
Woodgrain  
Green\*



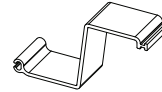
Textured  
Grey



Textured  
Clay



**PROFILE: BOX**



**PROFILE: Z**



Grey



Clay



Brown



Slate

## DETERMINING ALLOWABLE MOMENT

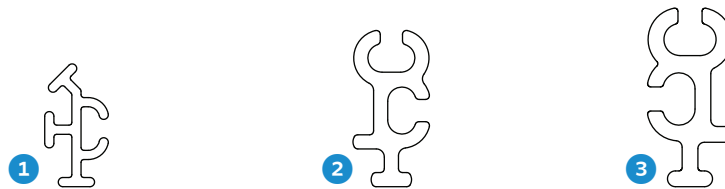
### Sample Vinyl Calculation: SG-625

$$\begin{aligned}
 M_a &= Z \times f_b \\
 &= 24.4 \text{ in}^3 / \text{ft} \times 3,200 \text{ psi} \\
 &= 78,080 \text{ in-lbs/ft} / 12 \text{ in/ft} \\
 &= 6,507 \text{ ft-lbs/ft}
 \end{aligned}$$

**3,200 psi is the allowable design stress recommended by the U.S. Army Corps of Engineers.**

## VINYL CORNER PIECES

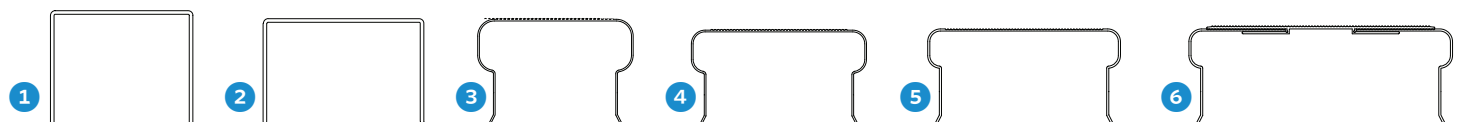
\*Standard Lengths: 16 – 30 ft



| CORNER         | COLOR OPTIONS                             | RELATED SHEET PILING                             |
|----------------|-------------------------------------------|--------------------------------------------------|
| 1 SG 225 - 425 | Grey, Clay, Brown, Slate, Woodgrain Brown | FP-475, CL-9900, CL-9000, SG-425, SG-325, SG-225 |
| 2 SG 750       | Grey, Clay, Slate                         | SG-850, SG-825, SG-750, SG-625                   |
| 3 SG 950       | Grey, Clay                                | SG-950                                           |

## CAPPING PIECES

\*Standard Length: 10 – 20 ft



| CAP                             | RELATED SHEET PILING                     |
|---------------------------------|------------------------------------------|
| 1 VersaCap® 7.5                 | SG-325, FP-475                           |
| 2 VersaCap® 8.5                 | SG-425                                   |
| 3 AW-575 CAP & AW-575 STR CAP   | SG-225                                   |
| 4 AW-850 CAP & AW-850 STR CAP   | FP-475, SG-425, SG-325                   |
| 5 AW-1075 CAP & AW-1075 STR CAP | SG-850, SG-750, SG-625, CL-9900, CL-9000 |
| 6 AW-1500 CAP                   | SG-950, SG-825                           |



**Bowman**  
Construction  
Supply Inc.



**Quick**  
Supply Co.



**Cascade**  
GEOSYNTHETICS

## LOCATIONS & CONTACT INFO

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salesasp@aspent.com

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salesquick@quicksupplyco.com

### CASCADE GEOSYNTHETICS

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salescascade@cascadegeos.com

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**Omaha, NE** 402.861.8579  
**Kansas City, MO** 816.554.1191  
**Wichita, KS** 316.393.1554

**Denver, CO** 303.696.8960  
**Colorado Springs, CO** 719.257.7840  
**Loveland, CO** 970.535.0863

**Des Moines, IA**  
515.289.1271

**Portland, OR**  
971.339.1020

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### GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

### SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

### EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

### STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

### SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

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