

# SIENA STONE™

**UNILOCK®**

TECH SHEET

THICKNESS 185MM  
REGION CHICAGO



COLORS

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SIERRA  
FINISH: CLASSIC

COPING  
1,000mm x 185mm x 500mm  
39 3/8" x 7 3/8" x 19 3/4"

NEVADA  
FINISH: CLASSIC

COPING  
1,000mm x 185mm x 500mm  
39 3/8" x 7 3/8" x 19 3/4"

GRANITE  
FINISH: CLASSIC

COPING  
1,000mm x 185mm x 500mm  
39 3/8" x 7 3/8" x 19 3/4"

**TYPICAL CROSS SECTION**

Note: Base, screed bed, infill aggregates and or reinforcements may vary based on project requirements or as specified by engineer.

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PACKAGING

	COPING
UNIT THICKNESS (MM)	185
LAYERS PER BUNDLE	3
FCFT PER BUNDLE	12
FCFT PER LAYER	4
FCFT PER UNIT	2
UNITS PER BUNDLE	6
UNITS PER LAYER	2
LBS PER BUNDLE	2,756
LBS PER LAYER	918.67
LBS PER UNIT	459.33

## INSTALLATION NOTES

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### SienaStone™

SienaStone is an engineered large module (min 500 lbs/250 kg ea.) retaining wall system with incredible capacities for both gravity walls and reinforced walls. SienaStone is mostly used in commercial applications or in residential applications where higher and stronger structural walls must be constructed.

Applications – Structural retaining walls for large embankments.

Capacity – Gravity walls up to 13' (4m). Geogrid reinforced walls up to 39 ft. (12m).

Recommended Base Stabilization – one layer of DriveGrid™ stabilization grid between subgrade and base material. Use under Standard Base or Permeable Base.

Standard Base – Min. 6" – 8" of ¾" Crusher Run gravel (any road base standard in accordance with ASTM-D2940) compacted to 98% Standard Proctor Density (SPD).

Alternative Permeable Base – Min. 6" – 8" of ¾" clear open-graded stone compacted to achieve full particle lock-up and consolidation. (Clear open-graded does not compact but does consolidate slightly by rattling the particles together.)

Leveling – Install SienaStone directly on a compacted granular base. Install level end to end as well as front to back. Poured concrete leveling pads, reinforced with rebar, are also a great way to accomplish leveling, especially for larger installations. You must ensure that the concrete is poured and finished perfectly in order to achieve a good visual appearance.

Connection – features a tongue and groove connection. Use appropriate concrete adhesive for connection between units where the key has been removed or for corners. Always read adhesive manufacturers' directions prior to gluing.

Handling – This is a mechanically placed wall system. Special clamps for lifting are available for use during project.

Coping - This wall requires the SienaStone specific coping. Coping attaches with tongue and groove connection. No adhesive required.

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Contact Unilock Representative for actual color samples and availability. Unilock reserves the right to change product information without notice.

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**Bowman**  
Construction  
Supply Inc.



**Quick**  
Supply Co.



**Cascade**  
GEOSYNTHETICS

## LOCATIONS & CONTACT INFO

### ASP ENTERPRISES

aspent.com  
salesasp@aspent.com

### BOWMAN CONSTRUCTION SUPPLY

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### CASCADE GEOSYNTHETICS

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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

## SOLUTIONS WE SUPPLY

### 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

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT**  
**SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**