The GravityStone® Wall System

GravityStone® is an Earth Retention System that provides solutions to a variety of site needs and project requirements. GravityStone creates graceful and durable retaining walls that optimize the use of lower quality soils found on many sites. GravityStone’s unique design allows walls to be built with concave, convex and traditional 90-degree corners. Providing precise wall batter, and block-to-block alignment is the high strength reversible alignment plug. In the forward position the GravityStone alignment plug positions walls vertically, whereby reversing the Plug creates 4.5-degree wall batter. GravityStone, used in conjunction with geosynthetic allows durable reinforced soil walls. Geosynthetic provides the function of mechanically stabilizing the soil, while the high strength GravityStone unit provides an attractive facing, and erosion control that firmly connects to the geosynthetic reinforcement. Quality control of each GravityStone unit is closely monitored in a factory setting, assuring precision and consistency in all wall units. Experience the ease and economy of Gravity Stone retaining wall system for your earth retaining needs.

GravityStone® Specifications

**GRAVITYSTONE® 8” CORE**
Approximate Dimensions: 11.5” x 8” x 18”
Approximate Weight: 75 pounds
Approximate Face Area: 1.0 sq. ft/unit
Texture: Straight or radius rock face

**GRAVITYSTONE® 6” CORE**
Approximate Dimensions: 11.5” x 6” x 18”
Approximate Weight: 5 pounds
Approximate Face Area: 1.0 sq. ft/unit
Texture: Straight or radius rock face

**GRAVITYSTONE® CAP**
Approximate Dimensions: 12” x 4” x 18”
Approximate Weight: 25 pounds
Texture: Straight or radius rock face

**PRODUCT PERFORMANCE**
- Compressive Strength: 3,000 P.S.I
- Water Absorption: 13-15 lb/ft³
- Dimensional Tolerance: ±1/8 inc
- Wall Batter: Vertical to 4.5 degrees
- Color and size may vary: Verify with manufacturer

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**INSTALLED**

**EXCAVATION**
Establish a relatively level, aggregate leveling pad along the length of the wall. Loosely place one inch of the leveling sand over the compacted aggregate.

**PLACEMENT OF FIRST COURSE BLOCKS**
Place each block, side by side, onto the leveling sand. Level the units front to back and side to side.

**BACKFILL FIRST COURSE**
Install alignment plugs, then place gravel fill in the units, between the units, and a minimum of 12 inches behind the units.

**PLACE GEOSYNTHETIC REINFORCEMENT**
Lay geosynthetic reinforcement over block and soil, assuring of proper orientation. Place soil backfill over geosynthetic reinforcement and behind gravel fill. Compact backfill to proper density after each course of block.

**CAPPING WALL**
Clean top surface of wall and fix caps with strong outdoor adhesive.

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**A VARIETY OF APPLICATIONS**

- **COMMERCIAL OFFICE**
- **INDUSTRIAL**
- **RETAIL**
- **ROADWAYS**
- **RESIDENTIAL**
- **DURABLE FLEXIBILITY**

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**REVERSIBLE ALIGNMENT PLUG**
The RAP'S align the GravityStone® units and establish wall batter.

**Distributed By:**

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