

# Anchor™ Diamond Pro Stone Cut®

Retaining Wall Systems

C R E A T I N G  
B E A U T I F U L  
L A N D S C A P E S .™



# Anchor™ Diamond Pro Stone Cut®

The Anchor™ Diamond Pro Stone Cut® Series has brought the latest look and appeal in architectural design with its addition of the two smaller modular components. The new three piece system separates itself by creating alternating scale and dimensions. The product's patented splitting technique results in more natural appearance in the edge profiles. This softer edge creates more amenity in the facing of the wall. While the system still meets the rigorous demands for both engineering and structural components, its multiple shape patterning creates new and innovative applications for site work design.

## COMPOSITION AND MANUFACTURE

Anchor™ Diamond Pro Stone Cut® Series is made from a "no slump" concrete mix. Made under extreme pressure and high frequency vibrations, Diamond Pro Stone Cut® Series has a compressive strength greater than 3500 psi and a water absorption maximum of 7% and will meet or exceed ASTM 1372.

## INSTALLATION FOR REINFORCED WALLS

### 1. Layout

Stake out the wall's placement according to lines and grades on approved plans. Excavate for the leveling pad to the lines and grades shown. Excavate soil to a dimension behind the wall for placement of grid and reinforced soils. The trench for the leveling pad should be a minimum (6) inches in front and back of the placed wall stone.

### 2. Leveling Pad

The leveling pad consists of a crushed aggregate compactible base material. The pad must extend a minimum six (6) inches in front and behind the first course of stone, and be a minimum six (6) inches in depth. Compact the aggregate in maximum eight (8) inches lifts and check top elevation for level.

### 3. Base Course

Place a string line along the back of the stone to align the wall units. Begin laying stone at the lowest elevation of the wall. Place wall stones flat on the leveling pad with facings aligned according to plans. If necessary, remove rear lip of the stone so that it will lie flat on the leveling pad. Place the stones side-by-side, flush against each other, and in full contact with the leveling pad. Level the stone front-to-back and side-to-side. Check the stones for proper horizontal alignment.

### 4. Wall Construction

Clean any debris off the top of the stones. Place the second course of stones on the base course maintaining running bond pattern (do not align vertical joints). Push or pull each stone forward as far as possible to ensure stone-to-stone engagement and the correct setback. Fill all voids between and within concrete wall stones with drainage aggregate. Backfill with drainage aggregate directly behind the stone. Fill behind the aggregate with soil meeting design parameters. Place and compact the backfill material before the next course is laid. Hand-operated equipment should be used within four (4) feet of the wall. Avoid driving heavy equipment within the same area.

### 5. Drainage

Fill in the area behind the stones with drainage aggregate to a minimum horizontal dimension of 12 inches. Place a perforated drain pipe at the base of the drainage aggregate and above the wall's front finished grade at the toe. Daylight or direct the drain to an area lower than the lowest drain elevation in the wall. Additional drainage design may be required.

### 6. Compaction

Place the backfill soil behind the drainage aggregate and compact. The backfill within four (4) feet of the wall is to only be compacted with a hand-operated compactor. Aggregate is to be level with or slightly below the top of each course. Repeat at the front of the wall. Add soil and compact backfill soil as necessary. Testing for proper compaction may be required.

### 7. Geo-Grid Reinforcement Placement

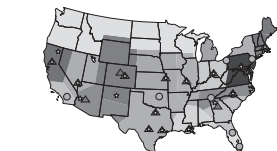
Check approved wall construction plan for grid placement. Determine which courses will have reinforcement grid placed into the backfill. Measure and cut the reinforcement grid to the design length in the plans. The reinforcement grid has a design strength direction to be laid perpendicular to the wall. Place the front edge of the material on the designated top course a maximum of one and half (1 1/2) inches from the face of the stone. Apply the next course of stones to secure it in place. At the back of the wall, pull the reinforcement taut. Add drainage aggregate behind the stones, then add the backfill soil and compact. Testing for proper density and compaction may be necessary to meet project requirements. A minimum of six (6) inches of backfill over the grid is required prior to operating most vehicles on top of the reinforcement.

### 8. Finish Grade and Surface Drainage

Protect your wall from water damage and erosion with a finished grade to provide positive drainage away from the wall at the top and bottom of the wall structure. To minimize infiltration of water into the top of the backfill area of the wall, place a minimum six (6) inches of soil with low permeability (clay similar materials).

Complete installation & specification details are available by contacting your Pavestone Sales Representative.

Note: Colors are shown as accurately as possible in brochures & samples, but due to the nature of the product, regional color differences and variables in print reproduction, colors may not match exactly.



**PAVESTONE®**  
Creating Beautiful Landscapes™

www.pavestone.com

© 2012 by Pavestone Company. All Rights Reserved. **PAVESTONE**, Creating Beautiful Landscapes™ are trademarks of the Pavestone Company. Anchor Diamond Pro Stone Cut® are registered trademarks of AWS, and are manufactured under license from Anchor Wall Systems, Inc. These Anchor products are protected by U.S. and International patents and pending patent applications.



## APPLICATIONS

Terraced Gardens • Landscape Retaining Walls • Geosynthetic Reinforced Walls • Erosion Control

## PRODUCT INFORMATION

### Anchor Diamond Pro Stone Cut® Series Small & Medium Bundled Together

Nominal Dimensions SM 7" L x 12" W x 8" H  
M 11" L x 12" W x 8" H

Wt./Stone SM 34 lbs. M 45 lbs.

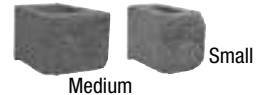
Stones/Pallet SM 16 M 32

Approx. Wt./Pallet 1991 lbs.

Face ft./Pallet 26

Batter 7°

Product Number 833



### Anchor Diamond Pro Stone Cut® Series

Nominal Dimensions LG 18" L x 12" W x 8" H

Wt./Stone 86 lbs.

Stones/Pallet 36

Approx. Wt./Pallet 3,096 lbs.

Face Ft./Pallet 36

Batter 7°

Product Number 818



### Anchor Diamond Pro Stone Cut® Series 3-PC Combo

#### Small, Medium & Large Bundled Together

Nominal Dimensions SM 7" L x 12" W x 8" H  
M 11" L x 12" W x 8" H

LG 18" L x 12" W x 8" H

Wt./Stone SM 34 lbs. M 45 lbs. LG 86 lbs.

Stones/Pallet SM 16 M 16 LG 16

Approx. Wt./Pallet 2,608 lbs.

Face ft./Pallet 32

Batter 7°

Product Number 835



### Pavestone Cap for

#### Anchor Diamond Pro®

18" L x 13 1/2" W x 4" H

Wt./Stone 79 lbs.

Stones/Pallet 48

Approx. Wt./Pallet 3,792 lbs.

Linear ft./Pallet 63

Product Number 831



### Anchor Diamond Pro® Cap

17" L x 10 1/2" W x 4" H

Wt./Stone 45 lbs.

Stones/Pallet 63

Approx. Wt./Pallet 2,835 lbs.

Linear Ft./Pallet 89

Product Number 830



- Atlanta, GA: (770) 306-9691
- Austin/San Antonio, TX: (512) 558-7283
- Boston, MA: (508) 947-6001
- Cartersville, GA: (770) 607-3345
- Charlotte, NC: (704) 588-4747
- Cincinnati, OH: (513) 474-3783
- Colorado Springs, CO: (719) 322-0101
- Dallas/Ft. Worth, TX: (817) 481-5802
- Denver, CO: (303) 287-3700
- Hagerstown, MD: (240) 420-3780

- Houston, TX: (281) 391-7283
- Kansas City, MO: (816) 524-9900
- Las Vegas, NV: (702) 221-2700
- New Orleans, LA: (985) 882-9111
- Phoenix, AZ: (602) 257-4588
- St. Louis/ Cape Girardeau, MO: (573) 332-8312
- Sacramento/ Winters, CA: (530) 795-4400

PLEASE CHECK WITH A PAVESTONE REPRESENTATIVE FOR AVAILABILITY.