



## Stonewall<sup>®</sup>



Stonewall  
Straight Face



# Stonewall®

## INTRODUCTION

Our Stonewall retaining wall offers a stylish alternative to natural stone walls at a substantial savings. Available with a straight traditional split-face, Stonewall embodies the look of natural quarried stone and the core design provides reliable and cost-effective performance, block after block. Stonewall is available in natural color blends.

## COMPOSITION & PERFORMANCE

Stonewall retaining wall units offer dependable strength and lasting durability. Manufactured under controlled factory conditions, each block is comprised of a cement-rich mixture blended with select aggregates and pure iron oxide pigments molded under extreme pressure and vibration.

Stonewall features a hollow core design. When filled with crushed stone, the stone creates a positive “rock lock” connection between units and also secures geogrid in reinforced engineered walls. The stone-filled cores allow for drainage and serve to protect against the negative effects of water build-up and hydrostatic pressure. Stonewall can be used for a variety of applications such as straight, curved and serpentine retaining walls ranging from planter height to tall commercial walls, stairs, corners, pillars, and terraced walls. For most non-critical walls under 4' high, Stonewall is constructed as a gravity wall. When engineered using geogrid, it functions as a highly-effective system for tall and structural walls.

## TECHNICAL SERVICES

We offer a variety of services, information and literature, including estimating charts, WSB Analysis and Design software and SRW's free Preliminary Design Service. When needed, we also can provide the name of a professional engineer. Please contact your Authorized Dealer or Ideal's Sales Office for information.

Design consultation, specification assistance, and job-site quality review can be provided upon request.

*A white deposit known as efflorescence may appear naturally on any concrete or masonry product. It does not affect the structural integrity and will dissipate over time. Efflorescence is not indicative of a flawed product. For more information, please ask for our Efflorescence Advisory. Always comply with OSHA requirements when cutting or sawing concrete products.*

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## PHYSICAL CHARACTERISTICS

Stonewall retaining wall units meet or exceed North American industry standards, including NCMA Tek 2-4B and/or ASTM C 1372 Specification for Segmental Retaining Wall Units with respect to compressive strength, density and absorption. Strict quality control ensures consistent strength and durability for years of easy care and lasting beauty.

**Straight Face Stretcher:** 8"h x 12"w x 12"d • 54 lb  
**Coverage:** 1.5 pcs per sf  
**Corner/Half Reversible:** 8"h x 6"w x 12"l • 37 lb

**Universal Coping:** 3½"h x 16"l x 13"d

**Setback:** ½" per course and ¾" (4.5") per vertical foot  
**Minimum Diameter:** 3' to face of block  
**Compressive Strength:** 4500 psi minimum  
**Water Absorption:** 8% maximum  
**Freeze Thaw:** Little or no effect

## GENERAL INSTALLATION GUIDELINES

Designers, professional contractors and homeowners alike will enjoy the commercial-grade, structural performance of Stonewall. The easy to handle weight of the units result in superior productivity with less fatigue and strain. Placing Stonewall, even onto courses above waist level, is easily accomplished.

Stonewall employs a pin and channel alignment system. The notched channel molded into the bottom of each block helps guide the units onto the strong nylon pins that align the units and automatically create a batter as the blocks are stacked together. For complete details and guidance on installation, please refer to our Contractor's Guide to Installing Segmental Retaining Wall Systems. Homeowners, be sure to ask your Ideal Authorized Dealer for our Ideal Way to Build Walls with Style using Stonewall pamphlet. It provides easy to follow instructions that will guide you step-by-step, from start to finish.

**Important!** Walls 4' and higher, terraced walls, sites with weak or wet soils, slopes and other loading conditions, such as a driveway above the wall, require special considerations and construction techniques, including the use of geogrid. We recommend you use a qualified soils engineer and a professional contractor for these situations. Always check with your local building department for code requirements before building a retaining wall. Safety is key!

Traditional & Permeable Pavers ■ Landscape Retaining Walls ■ Natural Stone  
**Manufactured by Ideal Concrete Block Co.**  
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