



## Tumbled Stonewall<sup>®</sup> Straight Face



IDEAL CONCRETE BLOCK COMPANY, INC.



# Tumbled Stonewall® Straight Face

## INTRODUCTION

The rough-hewn texture of Tumbled Stonewall SF blends seamlessly with the surrounding environment, reflecting a natural, time-worn look and feel. Available in our Granite Gray and Vineyard Blend, Tumbled Stonewall SF delivers both style and substance, providing reliable and cost-effective performance, block after block.

## COMPOSITION & PERFORMANCE

Tumbled Stonewall SF offers dependable strength and lasting durability. Manufactured under controlled factory conditions, it is molded from a cement-rich mixture blended with select aggregates and pure iron oxide pigments under extreme pressure and vibration. Each block undergoes our genuine Drum-Roll Tumbled® process that imparts a “stone-rocked” finish and unique character to each piece, while preserving the structural integrity and dimensional stability found throughout our entire line of retaining wall systems.

Tumbled Stonewall SF has the same hollow core design as our traditional Stonewall unit. When filled with aggregate, 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.

Tumbled Stonewall SF 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, Tumbled Stonewall SF 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 services, information and literature including estimating charts and *SRW's* free Preliminary Design Service. Please contact your Authorized Dealer or Ideal's Sales Office for information. We also can provide design consultation, specification assistance, and job-site quality review 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.

## PHYSICAL CHARACTERISTICS

Tumbled Stonewall SF meets or exceeds North American industry standards, including NCMA Tek 2-4B and/or ASTM C 1372 Specification for Segmental Retaining Wall Units. Strict quality control ensures consistent strength and durability for years of easy care and lasting beauty.

**Size:** 8" h x 12" w x 12" d      **Coverage:** 1.5 pcs per sf  
**Weight:** 54 lbs per block      **Minimum Radius:** 3'  
**Setback:** 1/2" per course and 3/4" per vertical foot  
**Compressive Strength:** 4500 psi minimum  
**Water Absorption:** 8% maximum  
**Freeze Thaw:** Little or no effect  
**Other Components:** Corner/Half - 8" h x 6" w x 12" d/l

## GENERAL INSTALLATION GUIDELINES

Designers, professional contractors and d-i-y homeowners alike will enjoy the commercial-grade, structural performance of Tumbled Stonewall SF. Its engineered weight of 54 lbs per block results in superior productivity with less fatigue and strain. Placing Tumbled Stonewall SF, even onto courses above waist level, is easily accomplished, unlike wall systems comprised of heavy block units that often require equipment or two men to lift and place the unwieldy units.

Tumbled Stonewall SF employs the same pin and channel alignment system as our traditional Stonewall® product. A notched channel molded into 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, we invite contractors to see our *Contractor's Guide to Installing Segmental Retaining Wall Systems*. For 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. Remember... safety is key!

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