



## Roman Pisa® Walls





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## INTRODUCTION

Ideal's Roman Pisa captures the rustic beauty and charm of centuries-old cobblestone walls that were handcrafted by New England's skilled craftsmen. Roman Pisa offers a distinctive, time-weathered appearance and rich, seasoned texture. Available in our Vineyard, Quarry, and Rosewood color blends, Roman Pisa complements our interlocking concrete pavers and enhances any landscape setting.

## COMPOSITION & PERFORMANCE

Roman Pisa is made by blending pure iron oxide pigments with a cement-rich, dense concrete mixture formulated to withstand New England's winter climate and freeze-thaw environment. Our genuine *Drum-Roll Tumbled®* process imparts a unique character to each piece, yet preserves the structural stability of its tongue and groove connection.

Roman Pisa offers significant functionality and stability and as such can be used for a variety of applications including:

- retaining walls from planter height to tall commercial walls
- stairs ■ pillars ■ terraced walls ■ sturdy free-standing double-sided walls and more.

For most non-critical walls under 3½ feet high, Roman Pisa is constructed as a gravity wall. When engineered to incorporate geogrid, it functions as a highly-effective system for tall and structural walls.

## PHYSICAL CHARACTERISTICS

Roman Pisa 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.

### Components & Dimensions

**Stretcher Unit**  
6"h x 8"w x 12"d  
3 pcs/sf



**Corner Unit**  
6"h x 12"l x 8"w



**Half Unit**  
6"h x 4"w x 12"d  
6 pcs/sf



**Coping Stone**  
3⅝"h x 16"w x 13"d  
1.33 lf/pc



**Jumbo Unit**  
6"h x 12"l x 8"d  
2 pcs/sf



**Full Cap Tapered**  
6"h x 8"w x 12"d  
3 pcs/sf • 1.5 pcs/lf



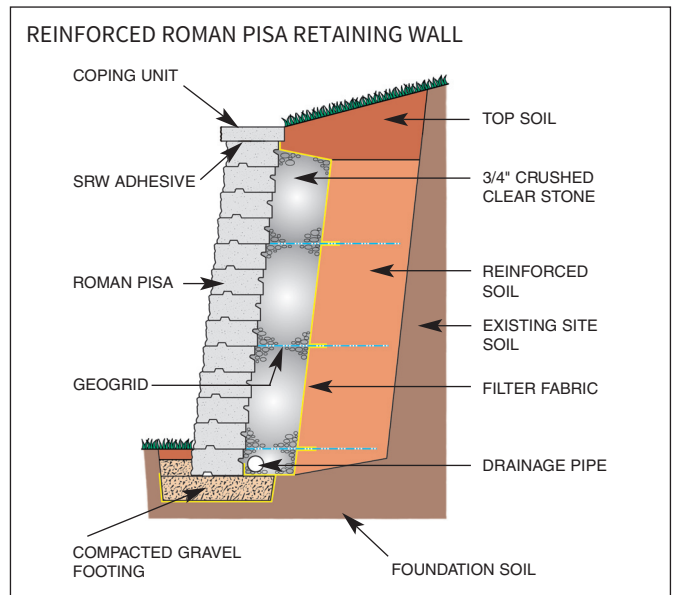
<b>Compressive Strength</b>	4500 psi minimum
<b>Water Absorption</b>	8% maximum
<b>Freeze Thaw</b>	Little or no effect
<b>Setback</b>	1:8 or 1½" per vertical foot
<b>Minimum Radius</b>	7½' Running Bond and 15' Ashlar Patterns

## TECHNICAL SERVICES

Call our sales offices today for complete technical information and literature. Ask us how you can obtain a free copy of RisiWall® segmental retaining wall design software. This powerful tool offers designers and contractors step-by-step wall design, reports, CAD drawings and quantity and cost estimates. We also can provide design consultation, specification assistance, and job-site quality review upon request.

## INSTALLATION & PATTERNS

Roman Pisa is a full component system that offers secure assembly. Set on a gravel footing, the units stack together without mortar, concrete, pins, or clips, and the patented offset tongue and groove design provides an automatic set back. Classical style straight and curved walls, terraces, tiers, stairs, and 90° corners can all be constructed with the multi-component Roman Pisa system. In addition, the Roman Pisa wall system allows unmatched design flexibility in creating wall patterns. A number of running bond patterns, as well as popular Ashlar patterns can be created with versatile Roman Pisa retaining walls. Please see our *Contractor's Guide to Installing Segmental Retaining Wall Systems* for complete details and guidance on installation and patterns.



**Important!** Walls 3½' and higher, terraced walls, sites with weak or wet soils, slopes and other loading conditions require special considerations and construction techniques, including the use of geogrid. We recommend you use a qualified soils engineer for these situations.

**Important!** If subjected to deicing chemicals, Roman Pisa Coping Stone used as steps must be treated with a non-film forming, penetrating-type sealer such as SRW PSX.

A white deposit known as efflorescence may appear naturally on any concrete or masonry product. It does not effect the structural integrity and will diminish over time. Efflorescence is not indicative of a flawed product. For more information, ask for Ideal's Efflorescence Advisory.

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