

Trenwyth Available in colors, shapes and sizes
you won't find anywhere else™.

04 22 23/TRE
Buyline 2435

Specifiers Reference

for architectural masonry units

Astra-Glaze-SW+®

Verastone®

Verastone® Plus

Verastone® Textured

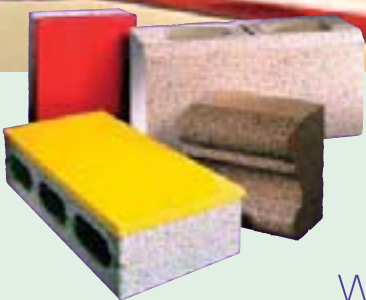
Trendstone®

Trendstone Plus®

Mesastone®

Acousta-Wal®

Monumental



TRENWYTH®

premium architectural masonry units

www.trenwyth.com

Trenwyth

Sustainable Solutions



Whether you prefer the look of ceramic tile, traditional ground face, the timeless look of terrazzo or a more textured look to complement your design, Trenwyth offers a full line of inspiring concrete masonry units.

Available in colors, shapes and sizes you won't find anywhere else, Trenwyth architectural concrete masonry units are more than just a pretty face. The beauty is *in* the block. Trenwyth units provide unmatched durability and exceptional structural integrity to create high-performance sustainable environments that will last the life of your building.

Every Trenwyth unit includes a manufacturer-approved water repellent CMU admixture at time of manufactured in order to promote mold and moisture resistance.

For decades, architects, specifiers and designers have relied on Trenwyth products to encourage the sustainability of our planet:

Materials and Resources

- Recycled content
- Regionally extracted, processed and manufactured materials
- Minimized fuel consumption

Indoor Environmental Quality

- Optimized mold & moisture resistance
- Improved air & acoustic environment
- High thermal mass walls
- Low VOC's water-based sealants

Energy and Atmosphere

- Conserves natural resources

Innovation and Design

- Extended lifecycles
- Improved fire resistance

Trenwyth products may earn your building up to five (5) LEED® points (see Chart Page 1). For more information, contact your Trenwyth representative or call 800-233-1924.

TRENWYTH®



Trenwyth products

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Buyline 2435

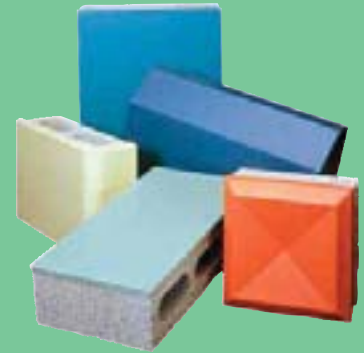
may earn LEED® Points for Your Building!

LEED Category	Materials & Resources	Materials & Resources	Indoor Environmental Quality
LEED Credit	Recycled Content (MR credit 4.1/4.2)	Regional Materials (MR credit 5.1/5.2)	Low Emitting Matls: Adhesives & Sealants (EQ credit 4.1)
Description	38% Pre-Consumer Recycled Content	Regionally Extracted, Processed & Manufactured within 500 Miles of the Project Site	TRENDCOAT® WB (water based) emits low VOC's
LEED Points	1-2 Points	1-2 Points	1 Point
TRENWYTH PRODUCTS			
Astra-Glaze-SW+® glazed		•	
Astra-Glaze-SW+® recycled glazed	•	•	
Verastone® recycled ground face	•	•	•
Verastone® Plus recycled filled & polished	•	•	•
Verastone® Textured recycled	•	•	
Trendstone® ground face		•	•
Trendstone Plus® filled & polished		•	•
Mesastone® textured		•	
Split Face		•	
MONUMENTAL over-sized units			
Monumental / Verastone® recycled ground face	•	•	•
Monumental / Verastone® Plus recycled filled & polished	•	•	•
Monumental / Verastone® Textured recycled	•	•	
Monumental / Trendstone® ground face		•	•
Monumental / Trendstone Plus® filled & polished		•	•
Monumental / Mesastone® textured		•	
ACOUSTA-WAL® sound-absorbing units			
Acousta-Wal® / Astra-Glaze-SW+® glazed		•	
Acousta-Wal® / Astra-Glaze-SW+® recycled glazed	•	•	
Acousta-Wal® / Verastone® recycled ground face	•	•	•
Acousta-Wal® / Trendstone® ground face		•	•
Acousta-Wal® / Grey Block		•	

Astra-Glaze-SW+ ...

The beauty of ceramic tile ...
the durability of concrete masonry.

Astra-Glaze-SW+® glazed masonry units are lightweight or medium weight concrete blocks with a thermoset glazing compound permanently molded to one or more faces. Inseparable from the block, the glazed faces offer a tight, impervious surface that provides outstanding performance.



Significant pre-consumer recycled content (upon request)
Regionally extracted, processed and manufactured materials
High thermal mass concrete walls optimize energy performance
Mold and moisture resistant
Tight, impervious surface perfect for sanitary and clean room environments
Up to a 4-hour fire rating
Custom colors, shapes and sizes
Outstanding colorfastness
Interior and exterior applications
Easy to clean – no need to paint or refinish <ul style="list-style-type: none">– Graffiti resistant– Virtually impenetrable to spray paint, permanent markers, grease & crayon– Exceptionally resistant to staining, abrasion, impact and chemicals
One-step, single-trade installation
Load-bearing and non-load-bearing walls
Exceptional structural integrity / Unmatched durability
No VOC's
Extended life cycle
Design flexibility
Sound-absorbing option



Note: Please specify from actual sample.

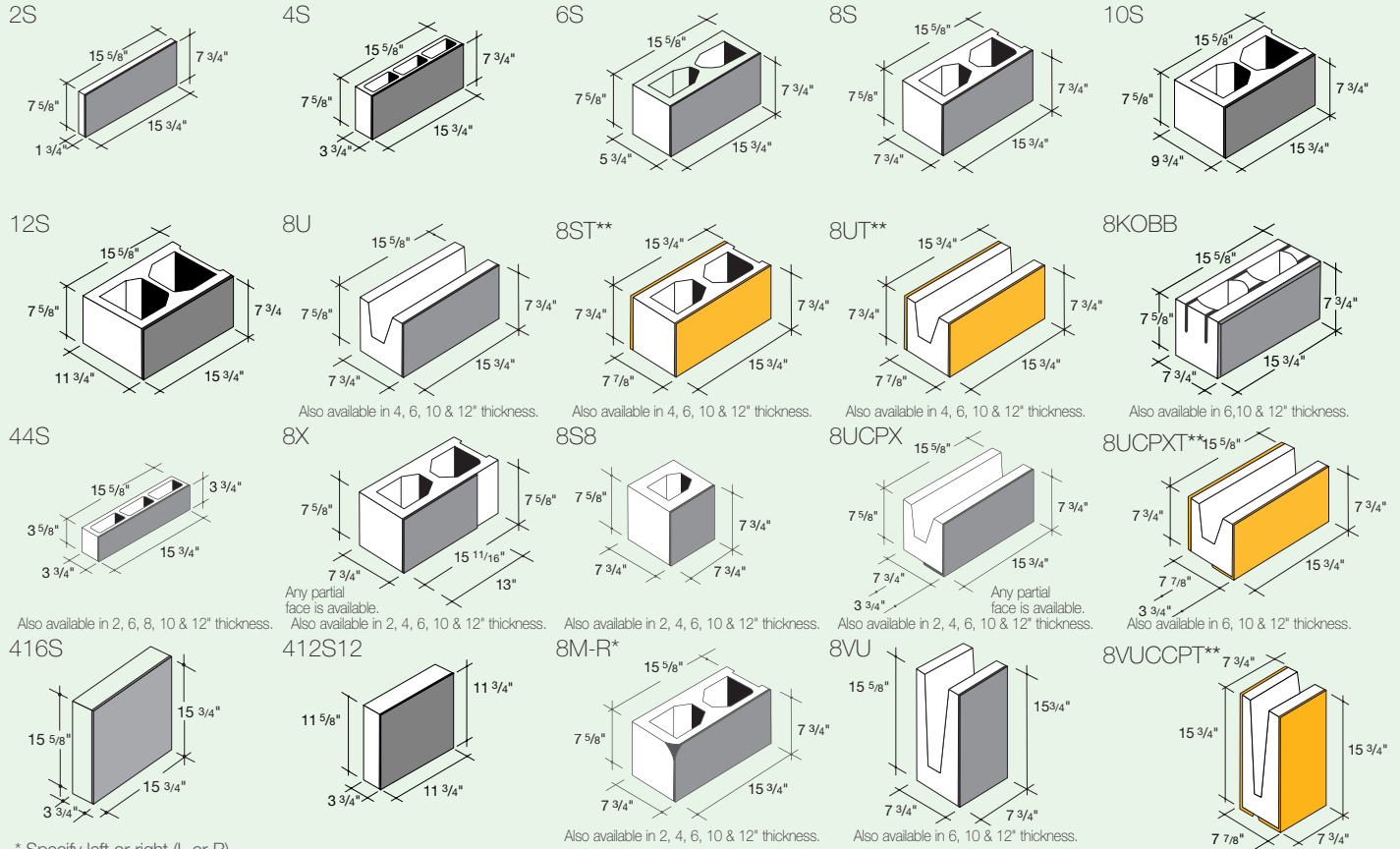
*LRV – Light Reflectance Value

	Cool Cream	51.8%		Terra Cotta	13.5%		Soft Rose	16.5%		Silver Gray	46.3%		Valley Forge Blue	9.4%			
	Vanilla	53.6%		Vivid Red	7.8%		Chelsea Pink	25.5%		Pewter	21.1%		Cosmic Blue	8.8%		Sunbath	56.5%
	Buttermilk	51.8%*		Garnet	8.4%		Ruby Red	9.5%		Earl Grey	9.5%		Ultra Blue	5.4%		Avocado	21.4%
	Wheatfield	41.8%		Russett	12.6%		Orchid Petal	36.8%		Charcoal	6.3%		Frosted Jade	19.8%		Mountain Meadow	26.7%
	Lemon Peel	47.6%		Chili Pepper	10.5%		Lavender	26.2%		Ebony	3.8%		Island Green	36.2%		Willow Leaf Green	10.4%
	Golden Honey	51.1%		Peach Fuzz	40.6%		Royal Purple	17.3%		Pastel Blue	42.8%		Misty Green	45.7%		Ivory	50.7%
	Sunflower	35.4%		Orange Cream	42.1%		Snow White	66.4%		Baby Blue	36.3%*		Silk Green	46.7%		Safari Beige	34.8%
	Deep Marigold	31.5%		Burwick Blush	48.6%		Whitman White	61.5%		Rothwell Blue	22.8%		Caribbean Reef	21.3%		Sand	34.8%
	Coral Flower	44.7%		Cherokee Tan	29.6%		Egg Shell	54.0%		Fountain Blue	20.7%		Riviera	17.9%		Coastline	26.3%
	Desert Rose	40.8%		Warm Spice	16.1%		Oatmeal	51.4%		Azure Breeze	18.2%		Teal	7.7%		Pebble	27.3%
	Light Sienna	23.7%		Canela	18.3%		Green Speckle	50.7%		Diamond Blue	11.0%		Sea Green	19.4%		Clay	28.5%
	Sedona Clay	29.8%		Mahogany	12.3%		Custom Red	52.3%		Rich Blue	12.6%		Mallard Green	15.4%		British Fog	21.0%
	Paprika	29.4%		Autumn Brown	11.6%		Custom Blue	52.3%		Cobalt Blue	18.1%		Rain Forest	16.2%		Dark Granite	18.1%
	Viking Red	17.0%		Copperstone	8.9%		Custom Speckle	50.7%		Bimini Blue	23.2%		Shamrock Green	14.2%		Peanut Brittle	23.0%
	Fire Engine Red	9.5%		Coffee Bean	4.6%		Cappuccino	32.3%		Sapphire	11.4%		Holly Green	11.1%		Wild Mushroom	11.2%
	Banner Red	14.5%		Pink Ice	52.4%		Custom Gray	51.2%		Ocean Blue	21.5%		Moss Green	5.1%		Flint	8.2%

Ask about our **custom color matching capabilities.**

Astra-Glaze-SW+® Shapes/Sizes

Stretcher



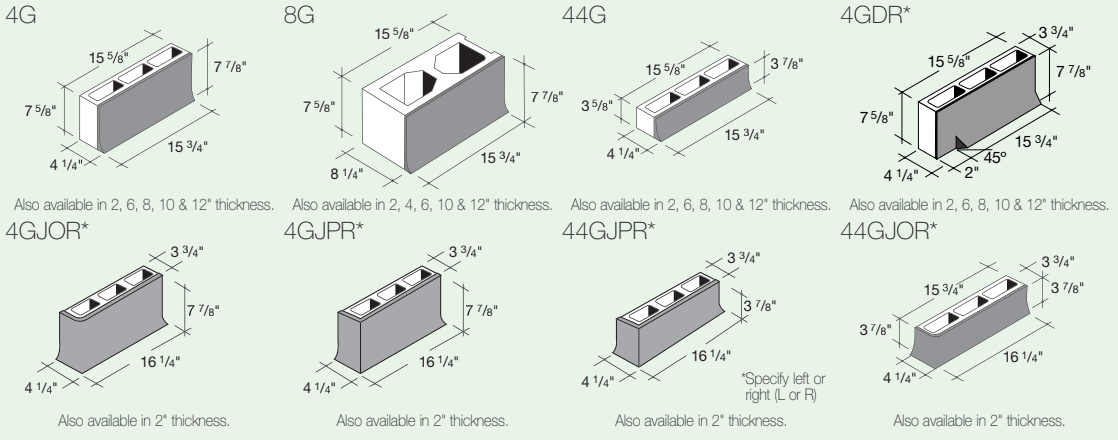
Also available in 4, 6, 10 & 12" thickness. Also available in 2, 4, 6, 10 & 12" thickness. Also available in 4, 6, 10 & 12" thickness. Also available in 6, 10 & 12" thickness.

Any partial face is available. Also available in 2, 4, 6, 10 & 12" thickness. Any partial face is available. Also available in 2, 4, 6, 10 & 12" thickness. Any partial face is available. Also available in 6, 10 & 12" thickness.

* Specify left or right (L or R)
 ** See cautionary note regarding double-faced units (◀▶) in Installation Recommendations on Specifications Page.

Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility.

Cove Base

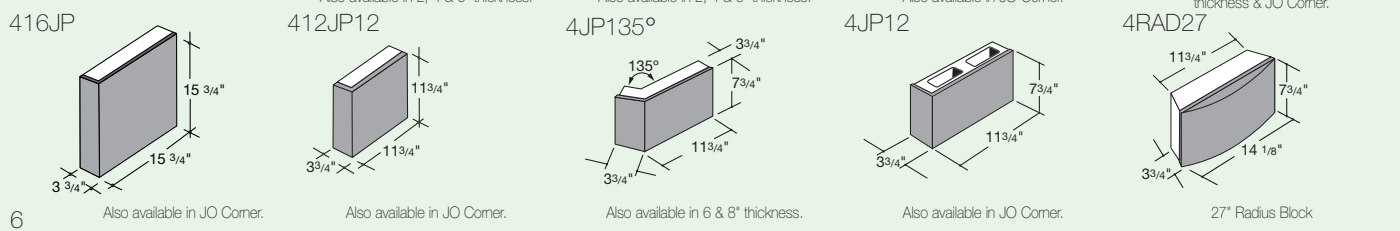


Also available in 2, 6, 8, 10 & 12" thickness. Also available in 2, 4, 6, 10 & 12" thickness. Also available in 2, 6, 8, 10 & 12" thickness. Also available in 2, 6, 8, 10 & 12" thickness.

Also available in 2" thickness. Also available in 2" thickness. Also available in 2" thickness. Also available in 2" thickness.

*Specify left or right (L or R)

Jamb



Also available in 2, 4 & 6" thickness. Also available in 2, 4 & 6" thickness. Also available in JO Corner. Also available in 4, 6, 10 & 12" thickness & JO Corner.

Also available in 2, 4 & 6" thickness. Also available in 6 & 8" thickness. Also available in JO Corner.

6 Also available in JO Corner.

Also available in JO Corner.

Also available in 6 & 8" thickness.

Also available in JO Corner.

27" Radius Block

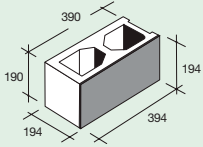
Metric shapes/sizes are available

See your Trenwyth representative for details on metric shapes and sizes.

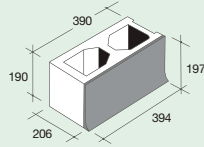
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Buyline 2435

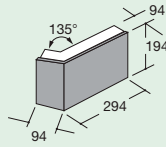
M20S



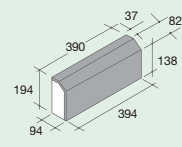
M20G



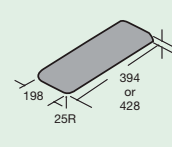
6SM10JP135°



M10CPSL



M520CCJO

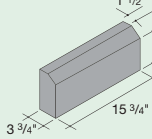


Also available in 5, 10, 15, 25, 35 cm thicknesses

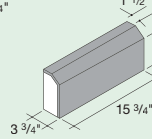
Also available in additional sizes

Caps *specify left or right (L or R)

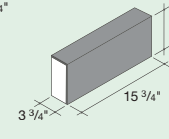
4CPSR



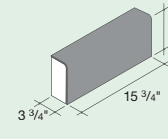
4CPSL



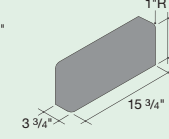
4CP



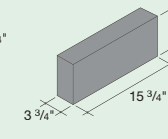
4CO



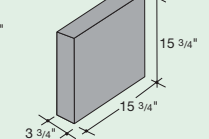
4CJOR*



4CJPR*



416CJP



Also available in 2, 6 & 8" thickness.

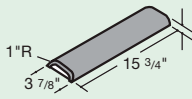
Also available in 2, 6 & 8" thickness.

Also available in 2" thickness.

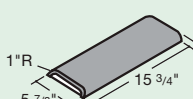
Also available in 2" thickness.

1" and 2" Shapes Series

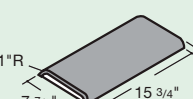
14CCO or 24CCO



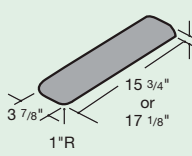
16CCO or 26CCO



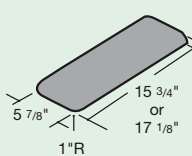
18CCO or 28CCO



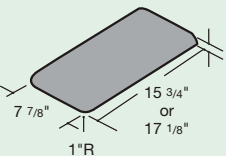
14CCJO or 24CCJO



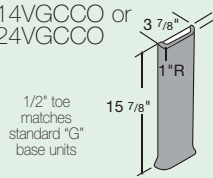
16CCJO or 26CCJO



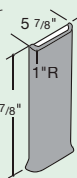
18CCJO or 28CCJO



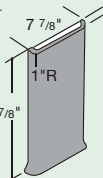
14VGCCO or 24VGCCO



16VGCCO or 26VGCCO



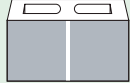
18VGCCO or 28VGCCO



Scores are 1/4" x 1/4" grooves cut into the glazed face of the blocks. We strongly recommend that all scored joints be tuckpointed and tooled, particularly on exterior applications. Scoring is not recommended on double-faced units.

Scored Units Have a scoring pattern in mind? Just try us. Chances are we can make it for you.

DA1



8 x 8 Score

DA2



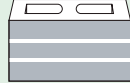
4 x 8 Score

DA3



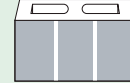
Brick Score

DA4



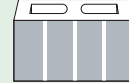
2.6 x 16 Horiz. Score

DA5



8 x 5 Score

DA7



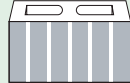
8 x 4 Score

DA8



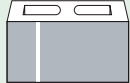
2 x 16 Score

DA9



6 Brick Vertical Score

DA10



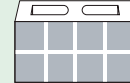
4" from return

DA11



4 x 16 Score

DA12

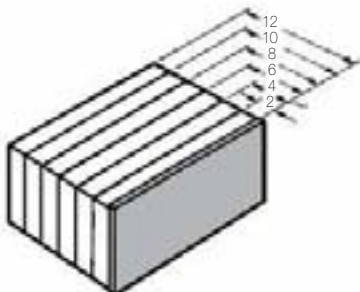


4 x 4 Score

Design Your Own

Code Designation

- S - Stretcher
- G - Cove Base
- ST - Two Faced Units
- U - Bond Beam Unit (Round)
- C - Cap or Sill
- J - Jamb
- V - Vertically Coursed Unit
- X - Partially Glazed Face
- CC - Capped Both Sides
- P - Square Corner
- O - Bulnosed Corner
- L - Left Handed Unit
- R - Right Handed Unit

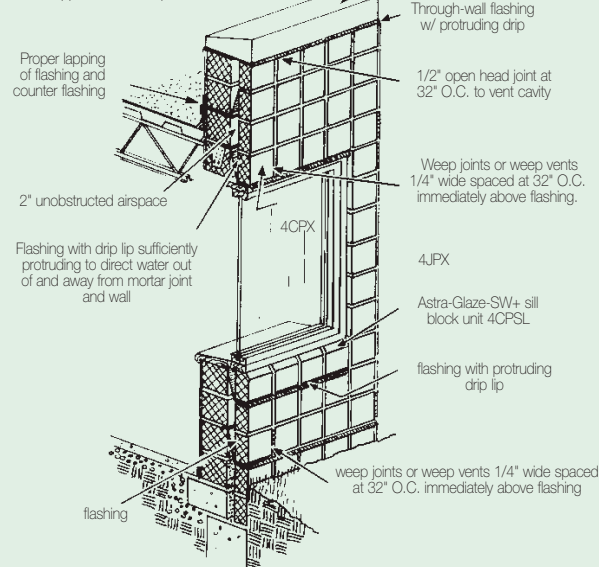


The first number in a shape code represents the block's thickness (bed depth). The diagram ABOVE shows nominal thicknesses available. Please note the respective thicknesses available listed under each shape.

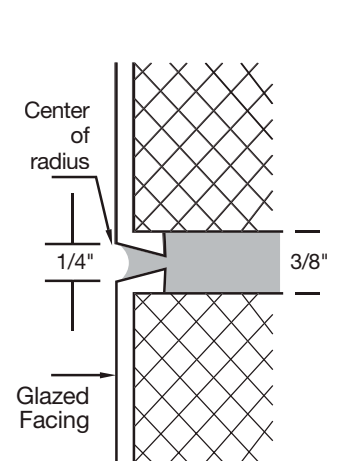
All Trenwyth concrete masonry units are manufactured with an integral water repellent admixture.

Detailing to Keep Moisture Out

All exterior mortar joints must contain an approved water repellent.



Joint Detail



the glazed face dimensions are 7 3/4" x 15 3/4" which allows a 1/4" joint using modular coursing.

The Verastone® Collection

Exceptional Solutions ... for Exceptional Green Buildings.

Verastone® recycled ground face, Verastone® Plus recycled filled & polished and Verastone® Textured recycled masonry units are just another example of our commitment to the development of sustainable solutions for your design excellence.

After the desired Verastone and Verastone Plus faces are ground, and the Verastone Plus faces are filled and polished, a factory-applied clear satin gloss acrylic or water-based sealer is applied to accentuate the natural beauty of the aggregates and provide mold and moisture resistance.

The new Verastone Textured recycled masonry units are integrally-colored concrete blocks with one or more faces shot-blast to a uniform, even texture exposing the variegated colors of the natural aggregates.



	Eastern Selection		
	Verastone	Verastone Plus	Verastone Textured
chablis			
vintage			
palomino			
rhine grey			
chianti			

	Midwest Selection		
chardonnay			
superior			
austin			
toffee			
old country			
cambria			
fossil reef			
cabernet			
schiraz			



	Verastone	Verastone Plus	Verastone Textured
Ground face masonry units	X		
Filled & polished units		X	
Textured shot-blast masonry units			X
Smooth terrazzo look		X	
Significant pre-consumer recycled content	X	X	X
Regionally extracted, processed & manufactured materials	X	X	X
High thermal mass concrete walls optimize energy performance	X	X	X
Up to a 4-hour fire rating	X	X	X
Mold and moisture resistant	X	X	X
A striking color palette	X	X	X
Custom shapes and sizes	X	X	X
Interior and exterior applications	X	X	X
Easy to clean – no need to paint or refinish	X	X	X
Graffiti resistant		X	
One-step, single trade installation	X	X	X
Load-bearing and non-load-bearing walls	X	X	X
Exceptional structural integrity	X	X	X
Unmatched durability	X	X	X
Extended life cycle	X	X	X
Design flexibility	X	X	X
Sound-absorbing option	X		
Monumental over-sized units	X	X	X



Trendstone & Trendstone Plus

Exposing the natural beauty and color of Mother Nature.

Trendstone® ground face units are integrally colored concrete block with one or more faces ground to expose the variegated colors of the natural aggregates.

Trendstone Plus® filled and polished masonry units offer a smooth *terrazzo look* on one or more of the faces. After the initial grinding process to expose the variegated colors of the natural aggregates, the pores and interstices are filled with a cementitious grout. The exposed faces are then polished smooth in a multi-stage polishing process.

A factory-applied clear satin gloss acrylic or water-based sealer is applied to both Trendstone and Trendstone Plus faces to accentuate the natural beauty of the aggregates and provide moisture resistance. The water-based Trendcoat® WB sealer emits low VOC's.



	Trendstone	Trendstone Plus
Ground face masonry units	X	
Filled & polished units		X
Smooth terrazzo look		X
Regionally extracted, processed & manufactured materials	X	X
High thermal mass concrete walls optimize energy performance	X	X
Up to a 4-hour fire rating	X	X
Mold and moisture resistant	X	X
Wide variety of colors	X	X
Custom shapes and sizes	X	X
Interior and exterior applications	X	X
Easy to clean – no need to paint or refinish	X	X
Graffiti resistant		X
One-step, single trade installation	X	X
Load-bearing and non-load-bearing walls	X	X
Exceptional structural integrity	X	X
Unmatched durability	X	X
Extended life cycle	X	X
Design flexibility	X	X
Sound-absorbing option	X	
Monumental over-sized units	X	X



Verastone, Verastone Plus, Verastone Textured, Trendstone, Trendstone Plus, Mesastone Shapes & Sizes

04 22 23/TRE
Buyline 2435

Note: Not all sizes are shown in this brochure. Please consult your nearest manufacturing facility.

Metric Shapes and Sizes are available.

2F: 15 5/8" x 7 5/8" x 1 9/16"

4FT: 15 5/8" x 7 9/16" x 3 9/16"

4FE: 15 9/16" x 7 5/8" x 3 9/16"

4F: 15 5/8" x 7 5/8" x 3 9/16"

6F: 15 5/8" x 7 5/8" x 5 9/16"

8F: 15 5/8" x 7 5/8" x 7 9/16"

8FE: 15 9/16" x 7 5/8" x 7 9/16"

8FEBN: 15 9/16" x 7 5/8" x 7 9/16"

10F: 15 5/8" x 7 5/8" x 9 9/16"

44F: 15 5/8" x 3 5/8" x 3 9/16"

8FT: 15 5/8" x 7 9/16" x 7 9/16"

8FETR*: 15 9/16" x 7 9/16" x 7 9/16"

8FTBN: 15 5/8" x 7 9/16" x 7 9/16"

4 FE 135°: 11 9/16" x 7 5/8" x 3 9/16" (135° angle)

4 FE L CORNER: 15 9/16" x 7 5/8" x 3 9/16"

8UF (v-block): 15 5/8" x 7 5/8" x 7 9/16"

8F8 Solid: 7 5/8" x 7 5/8" x 7 9/16"

8F8 Hollow: 7 5/8" x 7 5/8" x 7 9/16"

KOBB (Open Bottom): 15 5/8" x 7 5/8" x 7 9/16"

FHA (KOB with Solid Bottom): 15 5/8" x 7 5/8" x 7 9/16"

Also available in 6, 8, 10 & 12" thicknesses.

Also available in hollow, semi-solid or solid units.

Also available in 12" thickness.

Also available in 2, 4, 6, 8, 10 & 12" thicknesses.

Also available in 2, 4 & 6" thicknesses. *Specify right or left (right shown)

Also available in 8" thickness.

Also available in 6, 10 & 12" thicknesses.

Also available in 2, 4, 6, 10 & 12" thicknesses.

Also available in 6, 10 & 12" thicknesses.

Also available in 6, 10 & 12" thicknesses.

Code Designations

- F = 1 Face Ground
- FF = 2 Faces Ground
- E = End Ground
- EE = 2 Ends Ground
- V = Vertical Score
- H = Horizontal Score
- BN = Bull Nose
- T = Top Ground
- B = Bottom Ground
- C = Chamfer Ground
- U = Bond Beam

All Trenwyth concrete masonry units are manufactured with an integral water repellent admixture

Chamfers

8FE C1, 8FT C2, 8FET C4, 8FFE C5, 8FEE C11

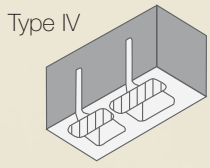
*Specify right or left (right shown)

Chamfered corners minimize chipping and eliminate sharp corners. Not all chamfer designations are shown. Any side can be chamfered.

Acousta-Wal® Units

Control noise pollution in your project with Acousta-Wal® units.

For more information refer to the Acousta-Wal® section.



Scored Units (ground face/filled & polished)*

V1: 8 x 8 Score

V2: 8 x 5 Score

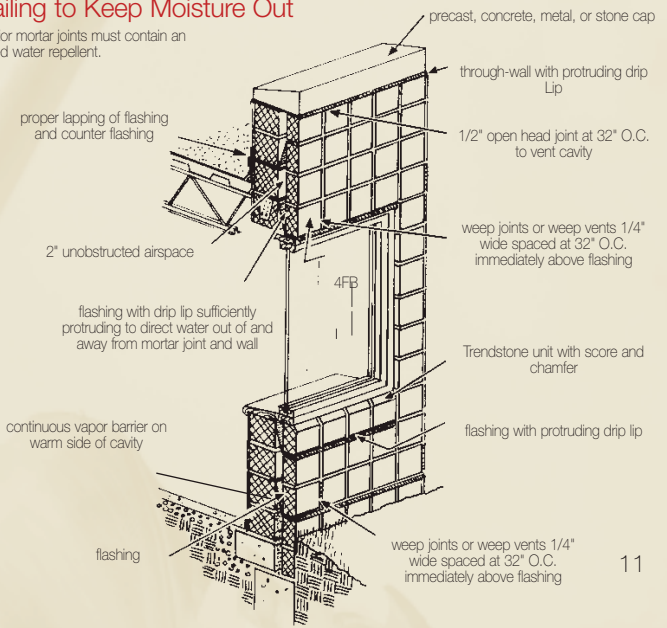
H1: 4 x 16 Score

Design Your Own

* Many scoring patterns are available. We recommend that all scored joints be tuckpointed and tooled, particularly in exterior applications.

Detailing to Keep Moisture Out

All exterior mortar joints must contain an approved water repellent.



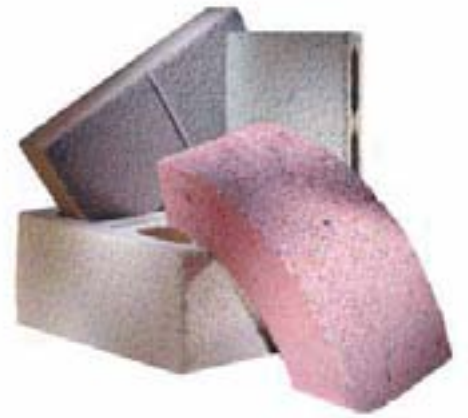
Mesastone

Subtly textured – a natural design complement.

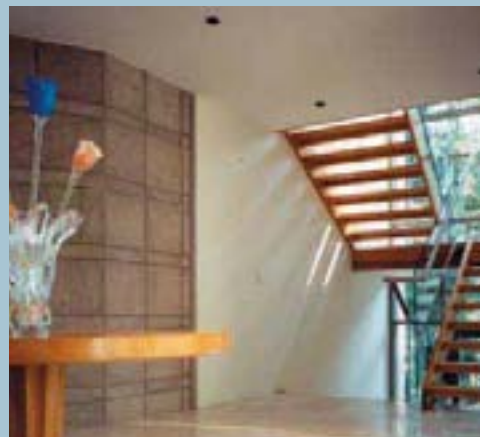
Mesastone® textured masonry units are concrete blocks made with colored aggregates and pigment uniformly finished to an even texture.

The Mesastone textured surface resembles split face block but is more uniform, easier to lay up and gives a straighter site line to the building.

What's the difference between Mesastone textured masonry units and **Verastone Textured** masonry units? Verastone Textured units contain pre-consumer recycled content and are available in a different color palette (refer to Page 8).



Textured concrete masonry units
Regionally extracted, processed & manufactured materials
High thermal mass concrete walls optimize energy performance
Up to a 4-hour fire rating
Manufactured with water repellent admixture to repel moisture
Wide variety of colors
Custom shapes and sizes
Interior and exterior applications
No need to paint or refinish
No VOC's
One-step, single trade installation
Load-bearing and non-load-bearing walls
Exceptional structural integrity
Unmatched durability
Extended life cycle
Design flexibility
Monumental over-sized units



Verastone Textured & Mesastone Specifications

PART 1 – GENERAL

SUBMITTAL

Submit color samples for selection from manufacturer's group A, B, C, D or E. Submit product literature, certifications, test reports and full size sample(s) of each color specified.

QUALITY ASSURANCE

Certifications: Concrete blocks for finishing shall conform to ASTM C90. All Trenwyth units contain manufacturer-approved integral water-repellent CMU admixture at the time of manufacture.

All Trenwyth products conform to ASTM E2432-05 as it pertains to the environmental, economic and social sustainability relative to buildings. Verastone Textured units contain pre-consumer recycled content. Contact your Trenwyth representative for details.

Trenwyth products offer high thermal mass properties, regional materials and low life-cycle costs. Mold and moisture resistant, Verastone Textured and Mesastone units will last the life of the building. No VOC's. Available in a wide color selection, custom colors and unique shapes and sizes, Verastone Textured and Mesastone units are ideal for both interior and exterior applications. The structural integrity of these units results in a one-step, single-trade installation process. Units are distributed nationally.

Fire Resistance: Define hourly ratings required by NCMA TEK Notes, available at www.trenwyth.com.

Field Constructed Mock-Ups: Construct a sample panel, no less than 4' x 4', of each color and size units to be used in the project.

A full size unit is required to illustrate color and texture for approval. Manufacturer requires a sample panel be installed at the jobsite prior to installation of any Trenwyth product. This panel will represent both the quality of the product and the workmanship to be expected for the project. The panel must be approved by either the owner or architect for the project. Manufacturer will provide 4" units for a 4' by 4' sample panel at no cost for the material (excluding freight to site).

DELIVERY, STORAGE AND HANDLING

Verastone Textured and Mesastone units shall be delivered to the jobsite on covered banded pallets with cardboard between layers. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

PROJECT/SITE CONDITIONS

Protection of Work: Cover walls each day after installation to keep open walls protected and dry. After units are installed they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic. Corners should be protected from damage after installation by covering them with plywood.

PART 2 – PRODUCTS

PRODUCT NAME

Verastone® Textured recycled concrete masonry units
 Mesastone® textured concrete masonry units

MANUFACTURER

Anchor Concrete Products (800) 233-1924
 Church Street • Emigsville, PA 17318
 Northfield Block Company (800) 358-3003
 3400 E. Bungalow Road, Morris, IL 60450
 Superlite Block (800) 331-9823
 4626 N. 42nd Avenue • Phoenix, AZ 85019

RELATED MATERIALS

Colored matching or contrasting mortar is available from manufacturer. Consult NCMA TEK Notes, available at www.trenwyth.com, for mortar type and specifications. For all exterior mortar, use matching manufacturer-approved water-repellent mortar additive, following manufacturer's instructions. Consult manufacturer for recommendations.

SIZES AND SHAPES

Nominal 2", 4", 6", 8", 10" and 12" standard block thickness are available as well as all standard block shapes. High-strength units for special structural requirements, over-sized units, and metric shapes and sizes are also available.

MASONRY CLEANERS

Carefully following manufacturer's instructions, use Burnished Custom Masonry Cleaner by PROSOCO (dilute 1 part to 3 parts clean water). Available from manufacturer. **Do not powerwash.**

CAUTION! Never use Muriatic Acid solution or any cleaner containing acid on units.

PART 3 – EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include matching water-repellent additive added to each batch in the appropriate dosage rates for mortar type (M, S or N) per manufacturer's instructions. Refer to NCMA TEK Notes, available at www.trenwyth.com, for Hot and Cold weather construction practices.

Lay units using the best concrete masonry practices. Install only quality units; reject all defective units as defined by ASTM C90. Lay blocks with the faces level, plumb and true to the line strung horizontally at the finished face. Units shall have uniform, 3/8"-wide joints both horizontally and vertically on the finished side of the wall. Tool joints neatly after they are finger-hard to make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

INSTALLATION

Lighting: Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use trough lighting.

Cutting: Make all unit cuts, including those for bonding, holes, boxes, etc., with motor-driven masonry saws, using either an abrasive or diamond blade. Cut neatly and locate for best appearance.

MORTAR BEDDING AND JOINTING

1. Lay units with full mortar coverage on head and bed joints taking care not to block cores to be grouted or filled with masonry insulation.
2. Tool all mortar joints when thumbprint hard into a concave configuration.
3. Care should be taken to remove mortar from the face of masonry units before it sets.
4. Tuckpoint the joints of scored units for proper appearance. All exterior scored units must be tuckpointed to prevent water penetration. **NO RAKE JOINTS.**

FLASHING OF MASONRY WORK

Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices.

WEEP HOLES AND VENTS

Install weep holes and vents at proper intervals at courses above grade and at any water stops over windows, doors and beams. Consult NCMA TEK Notes, available at www.trenwyth.com, for additional flashing information.

INSPECTION

The textured faces shall conform to the requirements of ASTM C90 when viewed from a distance of twenty (20) feet at right angles to the wall with normal lighting.

CLEANING

Keep walls clean daily during installation using brushes. Do not allow excess mortar lumps or smears to harden on the finished surfaces. Harsh cleaning methods after walls have been erected may mar the surface of the blocks.

FINAL CLEANDOWN

Clean the completed walls with PROSOCO Burnished Custom Masonry Cleaner (dilute 1 part to 3 parts clean water), strictly following the manufacturer's instructions — including thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer's instructions can result in permanent damage to the finished faces. **Do not powerwash.**

High-pressure power washing may interfere with the performance of the integral water-repellent additives and cause efflorescence. (Maximum psi is 50.)

MAINTENANCE

Verastone Textured and Mesastone units, properly installed and cleaned, need virtually no maintenance other than routine cleaning. For tough stains, contact manufacturer for specific cleaning recommendations.

INSTALLATION RECOMMENDATIONS

Consult NCMA TEK Notes, available at www.trenwyth.com, for proper installation of concrete masonry units.

LIMITATIONS

- The facing is not intended for use as an impervious surface.
- Acid solutions and HCL acid-based cleaners should not be used as a cleaning agent or in direct contact with the facing.



TRENWYTH

for more information go to
www.trenwyth.com
 or call 1.800.233.1924

Astra-Glaze-SW+ Specifications

PART 1 – GENERAL

SUBMITTAL

Submit color samples for selection from manufacturer's series. Submit product literature, certifications, test reports, full size sample(s) of each color specified or selected. Custom colors are available. Contact Trenwyth (800-233-1924) for details.

QUALITY ASSURANCE

All glazed masonry units shall be Trenwyth Astra-Glaze-SW+ units manufactured by Trenwyth manufacturing facilities. Glazed concrete blocks manufactured in Pennsylvania shall be lightweight units conforming to ASTM C90. Glazed concrete blocks manufactured in Arizona shall be medium weight units conforming to ASTM C90. The glazed surface shall have a smooth satin-gloss finish, externally heat-polymerized cast-on facing conforming to ASTM C744 and all applicable Federal Specifications. All Trenwyth units are manufactured with an approved integral water repellent CMU admixture.

All Trenwyth products conform to ASTM E2432-05 as it pertains to the environmental, economic and social sustainability relative to buildings. Upon request, Astra-Glaze-SW+ will be manufactured with pre-consumer recycled material. Contact Trenwyth (800-233-1924) for details..

Trenwyth products offer high thermal mass properties, regional materials and low life-cycle costs. Mold and moisture resistant, the tight, impervious surface of the Astra-Glaze-SW+ units is optimal for sanitary and clean room environments.

The glazed facing is graffiti resistant and easy to clean (never paint or refinish). No VOC's. Available in custom colors and unique shapes and sizes, Astra-Glaze-SW+ units are ideal for interior and exterior applications. The structural integrity of the backing (conforming to ASTM C90) results in a one-step, single trade installation process.

Fire Resistance: Fire rated for up to 4 hours. Define fire ratings required by NCMA TEK Notes, available at www.trenwyth.com.

Field Constructed Mock-ups: Construct a sample panel, no less than 4' x 4', of units of each color and size to be used in the project.

A full size unit is required to illustrate color and texture for approval. Manufacturer requires that a sample panel be installed at the jobsite prior to installation of any Trenwyth product. This panel will represent both the quality of the product and the workmanship to be expected for the project. The panel must be approved by either the owner or architect for the project. Manufacturer will provide 4" units for a 4' by 4' sample panel at no cost for the material (excluding freight to site).

DELIVERY, STORAGE AND HANDLING

Glazed masonry units shall be delivered to the jobsite on banded pallets with individual protective covers on each glazed block face. Keep protective block covers on the blocks until installation. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surface.

PROJECT SITE CONDITIONS

Protection of Work: Cover walls each day after installation to keep open walls protected and dry. After units are installed they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic. Corners should be protected from damage after installation by covering them with plywood.

PART 2- PRODUCTS

PRODUCT NAME

Astra-Glaze-SW+® glazed concrete masonry units

Astra-Glaze-SW+® recycled glazed concrete masonry units

MANUFACTURER

Anchor Concrete Products (800) 233-1924

One Connelly Road • Emigsville, PA 17318

Superlite Block (800) 331-9823

4626 N. 42nd Avenue • Phoenix, AZ 85019

RELATED MATERIALS

Colored matching or contrasting mortar is available from manufacturer. Consult NCMA TEK Notes, available at www.trenwyth.com, for mortar type and specifications. Use manufacturer-approved matching water-repellent mortar additive, following manufacturer's instructions, in all exterior mortar. Consult manufacturer for recommendations.

In areas that are exposed to excessive moisture, we recommend joints to be raked and filled with BONSAL B-7000 EPOXY. See Mortar Bedding and Jointing for details.

SIZES AND SHAPES

Actual facing dimensions shall be 7-3/4" x 15-3/4" forming a 1/16" lip around the edges of a modular 7-5/8" x 15-5/8" block. Nominal 2", 4", 6", 8", 10" and 12" standard block thickness shall be used as required, as well as standard and special block shapes. Basic units may include stretchers, jambs, caps and cove bases. Other possible face dimensions are nominal 16" x 16", 12" x 12", 8" x 18", 4" x 16", 8" x 8". Semi-solid and solid units shall be used where specified and/or shown on the drawings.

MASONRY CLEANERS

Carefully following the manufacturer's instructions, use Custom Burnished Masonry Cleaner by PROSOCO (dilute 1 part to 3 parts clean water). Available from manufacturer. **Do not powerwash.**

CAUTION! The following solvents must never be used as they may damage Astra-Glaze-SW+ block facings: paint remover, lacquer thinner, epoxy thinner, methylene chloride, acetone, muriatic acid. Contact your Trenwyth representative for recommendations for hard to clean areas.

PART 3 – EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include manufacturer-approved water-repellent additive added to each batch in the appropriate dosage rates for mortar type (M, S or N) per manufacturer's instructions. Refer to NCMA TEK Notes, available at www.trenwyth.com, for Hot and Cold weather construction practices.

Lay Astra-Glaze-SW+ blocks with the faces level, plumb and true to a line strung horizontally at the glazed face. Install only quality units; reject all defective units, as defined in ASTM C744. Units shall have uniform face joint dimensions of 1/4" both horizontally and vertically. Tool joints neatly after they are finger-hard to make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

INSTALLATION

Lighting: Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use trough lighting.

Base Course: Align base course properly on the floor slab.

Cove Base: Keep the cove base tight to the slab if vinyl floor tile is to be installed. For thicker flooring, raise cove base units to the desired height.

Cutting: Make all unit cuts, including those for bonding, holes, boxes, etc., with motor driven masonry saws, using either an abrasive or diamond blade. Cut neatly and locate for best appearance.

MORTAR BEDDING AND JOINTING

1. Lay units with full mortar coverage on head and bed joints taking care not to block cores to be grouted or filled with masonry insulation.
2. Tool all mortar joints when thumbprint hard into a concave configuration.
3. Care should be taken to remove mortar from the face of masonry units before it sets.
4. Tuckpoint the joints of scored units for proper appearance. All exterior scored units must be tuckpointed to prevent water penetration. Rake back the joint when epoxy (Bonsal/Laticrete) is used on select jobs that require better moisture prevention.

Various masonry mortars may be used with Astra-Glaze-SW+ concrete masonry units depending on specific structural requirements for the finished walls. We recommend a matching water-repellent mortar additive (available for purchase from manufacturer). Follow manufacturer's instructions in all mortar applications.

EPOXY FINISHED JOINTS

In areas exposed to excessive moisture, make sure to tool mortar joints with a minimum of 1/4" and tuckpoint with an approved water-resistant grout. A typical tuckpointing grout is BONSAL® POLYMER MODIFIED SANDED TILE GROUT mixed with the BONSAL B-7000 EPOXY. Do not add water or anything else in addition to the B-7000, which will make it a 100% solid enabling it to be acid and stain resistant.

Recommendation for using BONSAL® – DO NOT FLOAT GROUT ACROSS GLAZED SURFACE. THE PROPER TECHNIQUE IS TO POINT OR USE A MORTAR GUN!

FLASHING OF MASONRY WORK

Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices.

WEEP HOLES AND VENTS

Install weep holes and vents at proper intervals at courses above grade and at any water stops over windows, doors and beams. Consult NCMA TEK Notes, available at www.trenwyth.com, for additional information on flashing.

INSPECTION

The glazed facing shall conform to the requirements of ASTM C744 when viewed from a distance of five (5) feet at right angles to the wall with normal lighting. The concrete masonry units on which the glaze is molded shall conform to the requirements of ASTM C90.

CLEANING

Keep walls clean daily during installation using brushes or rags and a clean damp cloth. Harsh cleaning methods after walls have been erected may mar the surface of the blocks. Do not allow excess mortar lumps or smears to harden on the glazed surfaces. Remove green mortar with a dry cloth. Do not use steel wool, sandpaper or other abrasives.

FINAL CLEANDOWN

Clean the completed walls with Burnished Custom Masonry Cleaner by PROSOCO 3:1 solution, carefully following manufacturer's washdown instructions — including thorough rinsing. **Do not use acid or abrasives on the glazed surfaces.**

MAINTENANCE

Astra-Glaze-SW+ units, properly installed and cleaned, need virtually no maintenance other than routine cleaning with typical non-abrasive household cleaner. Graffiti, paint or dye may need special cleaning methods and products such as Trenwyth Graffiti Wizard® environmentally friendly cleaner. Contact manufacturer for specific cleaning recommendations. **Do not powerwash.**

INSTALLATION RECOMMENDATIONS

- For walls with a glazed finish on both sides, use two single-faced units. Because masonry units are typically installed aligning one side, the second side of double faced units is almost invariably misaligned. Double-faced units are not recommended. Manufacturer accepts no responsibility for face alignment.
- Cavity wall construction is recommended for exterior walls, with proper flashing, venting and weep holes.
- For best appearance, use stack bond construction when stack bond appearance is desired (as opposed to scored units in running bond).
- All exterior mortar joints must contain a manufacturer-approved water repellent additive.
- For best appearance and water resistance, tuckpoint scored joints on interior and exterior applications.
- Colored matching or contrasting mortar / epoxy is available when using colorful Astra-Glaze-SW+ units. Contact your Trenwyth representative for information.

TRENWYTH

Verastone, Verastone Plus, Trendstone & Trendstone Plus Specifications

PART 1 – GENERAL

SUBMITTAL

Submit color samples for selection from manufacturer's group A, B, C, D or E. Submit product literature, certifications, test reports and full size sample(s) of each color specified.

QUALITY ASSURANCE

Certifications: Concrete blocks for grinding shall conform to ASTM C90. After the initial grinding process to expose the variegated colors of the natural aggregates, the pores and interstices of Verastone Plus and Trendstone Plus filled and polished units are filled with a cementitious grout and polished smooth in a multi-stage polishing process. Both the ground face and filled and polished surfaces shall have a factory-applied heat-treated acrylic or water-based sealer finish.

All Trenwyth units shall contain a manufacturer-approved integral water-repellent CMU admixture at time of manufacturer.

Units shall conform to ASTM C1262 with respect to freezing and thawing. Verastone Plus and Trendstone Plus filled and polished units shall conform to the requirements of ASTM C744 with respect to Adhesion, Abrasion, Color Change and Resistance to Cracking. Unlike polished block, filled and polished units offer graffiti and stain resistance.

All Trenwyth products conform to ASTM E2432-05 as it pertains to the environmental, economic and social sustainability relative to buildings. Both Verastone and Verastone Plus contain pre-consumer recycled content. Contact your Trenwyth representative for details.

Trenwyth products offer high thermal mass properties, regional materials and low life-cycle costs. Units shall have a tighter, smoother face. Mold and moisture resistant, units are easy to clean (never paint or refinish). Factory-applied water-based sealer emits low VOC's. Available in a wide color selection, custom colors and unique shapes and sizes, these units are ideal for interior and exterior applications. The structural integrity of the unit results in a one-step, single trade installation process. Units are distributed nationally.

Fire Resistance: Fire rated for up to 4 hours. Define hourly ratings required by NCMA TEK Notes, available at www.trenwyth.com.

Field Constructed Mock-ups: Construct a sample panel, no less than 4' x 4', of units of each color and size to be used in the project.

A full size unit is required to illustrate color and texture for approval. Manufacturer requires a sample panel be installed at the jobsite prior to installation of any Trenwyth product. This panel will represent both the quality of the product and the workmanship to be expected for the project. The panel must be approved by either the owner or architect for the project. Manufacturer will provide 4" units for a 4' by 4' sample panel at no cost for the material (excluding freight to site).

DELIVERY, STORAGE AND HANDLING

Units shall be delivered to the jobsite on covered banded pallets with cardboard between layers. Store pallets in single stacks on level ground and cover with waterproof covering (e.g., tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

PROJECT/SITE CONDITIONS

Protection of Work: Cover walls each day after installation to keep open walls protected and dry. After units are installed they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic. Corners should be protected from damage after installation by covering them with plywood.

PART 2 – PRODUCTS

PRODUCT NAME

Verastone® recycled ground face masonry units
Verastone® Plus recycled filled and polished masonry units
Trendstone® ground face masonry units
Trendstone Plus® filled and polished masonry units

MANUFACTURER

Anchor Concrete Products (800) 233-1924
Church Street • Emigsville, PA 17318

Northfield Block Company (800) 358-3003
3400 E. Bungalow Road, Morris, IL 60450

Superlite Block (800) 331-9823
4626 N. 42nd Avenue • Phoenix, AZ 85019

RELATED MATERIALS

Colored matching or contrasting mortar is available from manufacturer. Consult NCMA TEK Notes, available at www.trenwyth.com, for mortar type and specifications. For all exterior mortar, use matching manufacturer-approved water repellent mortar admixture following manufacturer's instructions. Consult manufacturer for recommendations.

SIZES AND SHAPES

Surfaces are manufactured to provide finished dimensions of 7-5/8" x 15-5/8" ± 1/8". Bed depth dimensions for single face units are 3-9/16", 5-9/16", 7-9/16", 11-9/16" ± 1/8". Two face units are 3-1/2", 5-1/2", 7-1/2", 11-1/2", ± 1/8". Nominal 2", 4", 6", 8", 10" and 12" standard block thickness are available as well as all standard block shapes. High-strength units for special structural requirements, over-sized units, and metric shapes and sizes are also available.

MASONRY CLEANERS

Carefully following manufacturer's instructions, use Burnished Custom Masonry Cleaner by PROSOCO (dilute 1 part to 3 parts clean water). Available from manufacturer. **Do not powerwash.**

CAUTION! Never use Muriatic Acid solution or any cleaner with an acid base on units.

PART 3 – EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. All exterior mortar shall include manufacturer-approved matching water-repellent additive added to each batch in the appropriate dosage rates for mortar type (M, S or N) per manufacturer's instructions. Refer to NCMA TEK Notes, available at www.trenwyth.com, for Hot and Cold weather construction practices.

Lay units using the best concrete masonry practices. Install only quality units; reject all defective units as defined by ASTM C90. Lay blocks with the faces level, plumb and true to the line strung horizontally at the ground or filled and polished face. Units shall have uniform, 3/8"-wide joints both horizontally and vertically on the finished side of the wall. Tool joints neatly after they are finger-hard to make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

INSTALLATION

Lighting: Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use trough lighting.

Cutting: Make all unit cuts, including those for bonding, holes, boxes, etc., with motor-driven masonry saws, using either an abrasive or diamond blade. Cut neatly and locate for best appearance.

MORTAR BEDDING AND JOINTING

1. Lay units with full mortar coverage on head and bed joints taking care not to block cores to be grouted or filled with masonry insulation.
2. Tool all mortar joints when thumbprint hard into a concave configuration.
3. Care should be taken to remove mortar from the face of masonry units before it sets.
4. Tuckpoint the joints of scored units for proper appearance. All exterior scored units must be tuckpointed to prevent water penetration. **NO RAKE JOINTS.**

FLASHING OF MASONRY WORK

Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices.

WEEP HOLES AND VENTS

Install weep holes and vents at proper intervals at courses above grade and at any water stops over windows, doors and beams. Consult NCMA TEK Notes, available at www.trenwyth.com, for proper flashing and drawings.

INSPECTION

The faces shall conform to the requirements of ASTM C90 when viewed from a distance of twenty (20) feet at right angles to the wall with normal lighting.

CLEANING

Keep walls clean daily during installation using brushes, rags and the burlap squares supplied on the pallets. Do not allow excess mortar lumps or smears to harden on the finished surfaces. Harsh cleaning methods after walls have been erected will mar the surface of the blocks.

FINAL CLEANDOWN

Clean the completed walls with PROSOCO Burnished Custom Masonry Cleaner (dilute 1 part to 3 parts clean water), strictly following the manufacturer's instructions – including thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer's instructions can result in permanent damage to the finished faces. Do not apply Burnished Custom Masonry Cleaner with pressure spray above 50 psi. **Do not powerwash.**

FIELD COAT APPLICATION

For completely finished walls, a finish coat of TRENDCOAT® acrylic (minimum 20% solids content) or TRENDCOAT® WB (water-base) is recommended. Apply to walls after cleandown and when the walls are dry. Apply the acrylic evenly to cover the entire surface without forming drips or runs. For maximum coverage and best appearance, apply TRENDCOAT Acrylic or TRENDCOAT WB with airless spray equipment. Consult manufacturer for further information. This clear, high-solids acrylic offers excellent graffiti resistance, provides moisture resistance and helps to cover any scuffs or scratches that may occur during handling and/or installation.

MAINTENANCE

Properly installed and cleaned, units need virtually no maintenance other than routine cleaning (i.e. Pinesol or Fantastik). Graffiti, paint or dye stains may need special cleaning methods and products such as Trenwyth Graffiti Wizard® environmentally friendly cleaner. Contact manufacturer for specific cleaning recommendations.

INSTALLATION RECOMMENDATIONS

Consult NCMA TEK Notes, available at www.trenwyth.com, for proper installation of concrete masonry units.



TRENWYTH®

Acousta-Wal

04 22 23/TRE

Buyline 2435

The perfect blend of design and sound control.



Whether it's a school gym, lecture hall or performance arts center, **Acousta-Wal®** is your indoor/outdoor solution to sound absorption and control. Its unique design controls sound transmission as it absorbs sound waves. Acousta-Wal absorbs sound at all frequencies, even difficult-to-control low frequencies.

Unique Design Absorbs Sound Waves and Controls Sound Transmission

An Acousta-Wal block is a structural concrete masonry unit that has a closed top and vertical slots on its face, exposing the inner cavity. Working much like an automobile muffler, the closed-end cavities of the different size units resonate to sound waves of different frequencies, converting them harmlessly to heat. While Acousta-Wal units absorb unwanted noise within an area, they also greatly reduce the transmission of sound to an adjacent area.

Acousta-Wal units are available in the following finishes:

- Astra-Glaze-SW+® glazed masonry units*
- Verastone® recycled ground face masonry units
- Trendstone® ground face masonry units
- Grey Block masonry units

* Available with recycled content upon request.

Noise Reduction Coefficient Chart

SIZE	TYPE	SURFACE	FREQUENCY – HERTZ						NRC*
			125	250	500	1000	2000	4000	
4"	I	Painted	.18	.82	.40	.35	.43	.36	.50
6"	I	Painted	.63	.80	.41	.40	.31	.51	.50
8"	IRF	Painted	.18	.82	.40	.35	.43	.36	.50
10"	IRF	Painted	.18	.82	.40	.35	.43	.36	.50
12"	IRF	Painted	.63	.80	.41	.40	.31	.51	.50
4"	IV	Painted	.21	.78	.97	.80	.68	.73	.80
6"	IV	Painted	.31	1.23	.71	.71	.65	.68	.85
8"	IVRF	Painted	.21	.78	.97	.80	.68	.73	.80
10"	IVRF	Painted	.21	.78	.97	.80	.68	.73	.80
12"	IVRF	Painted	.31	1.23	.71	.71	.65	.68	.85

*NRC – approximate percentage of sound absorbed.



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