

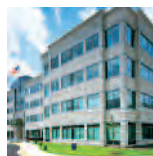


Mesastone® is available with recycled content.

TRENWYTH

Mesastone®
textured masonry units

the subtlety of texture –
a natural design complement.





Verastone Textured recycled masonry units and Mesastone textured masonry units are concrete blocks made with colored aggregates and pigment, uniformly finished to an even texture on one or more of the faces.

Verastone® Textured and Mesastone® advantages at a glance

- Recycled Content** Extracted, processed and manufactured regionally, Verastone Textured masonry units contain a significant amount of pre-consumer recycled content that may earn LEED Green Building Rating Points® to your building.
- One-step Installation** Single trade installation of finished load-bearing or non-load-bearing walls saves time and money.
- Water Repellent** Verastone Textured and Mesastone are manufactured with an integral water repellent admixture to resist moisture absorption.
- Low Maintenance** Verastone Textured and Mesastone require virtually no maintenance beyond routine cleaning. It lasts the lifetime of your building with no refinishing.
- Colors, Shapes & Scoring Patterns** An extraordinary color palette and a wide variety of shapes and scoring patterns are available for maximum design flexibility.
- Regional Color Options** The aggregates are native to your region allowing your building to blend naturally with your environment.
- Over-sized Units** Verastone Textured and Mesastone are available in Monumental over-sized units..
- Availability** Mesastone is manufactured nationwide to provide convenient service anywhere in the USA. Verastone Textured is manufactured in PA and IL.



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



architectural masonry units

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Verastone Textured and 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.

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
One Connelly Road • 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.

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R-values of concrete masonry walls are correlated to concrete density, since thermal conductivity of concrete increases with increasing density. The following tables list a range of R-values for each density. Contact your Trenwyth representative for specific block densities.

Table 2 — R-Values For 6 in. (152 mm) Concrete Masonry Walls, hr . ft²°F/Btu³

Construction	Density of concrete pcf	Cores empty		Cores filled with:							
				Loose-fill insulation				Polyurethane foamed insulation		Solid grouted	
				Perlite		Vermiculite		range	mid	range	mid
				range	mid	range	mid				
Exposed block, both sides	85	2.2-2.5	2.4	4.8-6.1	5.3	4.5-5.6	5.0	5.2-7.0	5.9	1.6-1.8	1.7
	95	2.1-2.4	2.2	4.1-5.4	4.6	3.9-5.0	4.3	4.4-6.1	5.0	1.5-1.7	1.6
	105	2.0-2.2	2.1	3.5-4.8	4.0	3.3-4.5	3.8	3.7-5.2	4.3	1.4-1.6	1.5
	115	1.8-2.1	2.0	3.0-4.2	3.4	2.9-4.0	3.3	3.1-4.5	3.6	1.4-1.5	1.4
	125	1.7-2.0	1.8	2.5-3.7	3.0	2.5-3.5	2.9	2.6-3.9	3.1	1.3-1.5	1.4
	135	1.6-1.9	1.7	2.2-3.2	2.6	2.2-3.1	2.5	2.2-3.4	2.7	1.3-1.4	1.3

Table 3 — R-Values For 8 in. (203 mm) Concrete Masonry Walls, hr . ft²°F/Btu³

Construction	Density of concrete pcf	Cores empty		Cores filled with:							
				Loose-fill insulation				Polyurethane foamed insulation		Solid grouted	
				Perlite		Vermiculite		range	mid	range	mid
				range	mid	range	mid				
Exposed block, both sides	85	2.4-2.7	2.5	6.3-8.2	7.1	5.9-7.5	6.6	6.9-9.4	8.0	1.9-2.1	2.0
	95	2.3-2.6	2.4	5.3-7.2	6.1	5.0-6.7	5.7	5.8-8.1	6.7	1.7-2.0	1.8
	105	2.1-2.4	2.2	4.5-6.3	5.2	4.3-5.9	4.9	4.8-7.0	5.6	1.6-1.9	1.7
	115	2.0-2.3	2.1	3.8-5.5	4.4	3.7-5.2	4.3	4.0-6.0	4.7	1.5-1.8	1.6
	125	1.9-2.2	2.0	3.2-4.8	3.8	3.1-4.6	3.7	3.3-5.1	4.0	1.5-1.7	1.5
	135	1.7-2.1	1.9	2.7-4.2	3.3	2.7-4.0	3.2	2.8-4.4	3.4	1.4-1.6	1.5

Table 4 — R-Values For 10 in. (254 mm) Concrete Masonry Walls, hr . ft²°F/Btu^a

Construction	Density of concrete pcf	Cores empty		Cores filled with:							
				Loose-fill insulation				Polyurethane foamed insulation		Solid grouted	
				Perlite		Vermiculite		range	mid	range	mid
				range	mid	range	mid				
Exposed block, both sides	85	2.5-2.9	2.7	7.5-9.9	8.5	7.0-9.1	7.9	8.2-11.3	9.5	2.1-2.4	2.2
	95	2.4-2.7	2.5	6.3-8.7	7.2	6.0-8.0	6.8	6.7-9.7	7.9	1.9-2.2	2.0
	105	2.2-2.5	2.3	5.2-7.5	6.1	5.0-7.0	5.8	5.5-8.2	6.6	1.8-2.1	1.9
	115	2.1-2.4	2.2	4.4-6.5	5.2	4.2-6.2	5.0	4.6-7.0	5.5	1.7-2.0	1.8
	125	1.9-2.3	2.1	3.7-5.6	4.4	3.6-5.4	4.3	3.8-6.0	4.6	1.6-1.9	1.7
	135	1.8-2.1	2.0	3.1-4.9	3.7	3.0-4.7	3.6	3.2-5.1	3.9	1.5-1.8	1.6

Table 5 — R-Values For 12 in. (305 mm) Concrete Masonry Walls, hr . ft²°F/Btu^a

Construction	Density of concrete pcf	Cores empty		Cores filled with:							
				Loose-fill insulation				Polyurethane foamed insulation		Solid grouted	
				Perlite		Vermiculite		range	mid	range	mid
				range	mid	range	mid				
Exposed block, both sides	85	2.6-3.0	2.8	9.1-12.1	10.3	8.5-11.0	9.6	10.0-13.8	11.5	2.3-2.6	2.4
	95	2.4-2.8	2.6	7.6-10.5	8.8	7.2-9.7	8.2	8.2-11.8	9.6	2.1-2.4	2.3
	105	2.3-2.6	2.4	6.3-9.1	7.4	6.0-8.5	7.0	6.7-10.0	8.0	2.0-2.3	2.1
	115	2.1-2.5	2.3	5.2-7.9	6.2	5.1-7.4	6.0	5.5-8.5	6.6	1.9-2.2	2.0
	125	2.0-2.3	2.2	4.4-6.8	5.3	4.2-6.5	5.1	4.5-7.2	5.5	1.8-2.0	1.9
	135	1.9-2.2	2.0	3.6-5.8	4.4	3.6-5.6	4.3	3.7-6.1	4.6	1.7-1.9	1.8

Information based on data published by the National Concrete Masonry Association. See NCMA TEK Note 6-2A, available at www.trenwyth.com.

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R-Values

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Additional r-values can be achieved with factory-installed expanded polystyrene, such as Korfil or ICON inserts.



Korfil® Block Insulation inserts are individually molded expanded polystyrene inserts. Installed at your Trenwyth manufacturing facility, Korfil insulation inserts are designed to fit standard two-core masonry units. Korfil inserts are available in 6", 8", 10" and 12" widths.



ICON® Universal Concrete Block Insulation Inserts are molded from expandable polystyrene. Pre-fit at your Trenwyth manufacturing facility, ICON inserts are designed to compress and fit the core of all masonry units and significantly improve cmu thermal efficiency.

R-Values

Both Korfil and ICON inserts offer your building the following benefits:

- One-step installation of insulated masonry block saves time and money.
- R-value unaffected by moisture or aging
- Insulated block offers up to a 4-hour fire rating
- Improves dew point and sound transmission resistance
- Offers space for easy installation of utilities within wall
- Flame retardant polystyrene
- Use with single-wythe and cavity wall construction
- No maintenance required
- Available in 6", 8", 10" and 12" widths.

Caution: Expanded Korfil polystyrene should not be exposed to temperatures exceeding 184°F.

Applicable Standards:

- ASTM C578 Specification for Rigid Cellular Polystyrene Thermal Insulation
- ASTM C90 Standard Specification for Loadbearing Concrete Masonry Units

6" Two-Core Masonry Unit				
Density of Block - lbs/ft ³	Cores Empty		Cores Insulated	
	R ⁱ	U	R ⁱ	U
80	2.64	.38	6.45	.16
95	2.42	.41	5.39	.19
105	2.29	.44	4.76	.21
115	2.17	.46	4.21	.24
125	2.05	.49	3.69	.27
135	1.95	.51	3.25	.31

12" Two-Core Masonry Unit				
Density of Block - lbs/ft ³	Cores Empty		Cores Insulated	
	R ⁱ	U	R ⁱ	U
80	3.12	.32	9.38	.11
95	2.83	.35	8.09	.12
105	2.66	.38	7.27	.14
115	2.52	.40	6.51	.15
125	2.38	.42	5.78	.17
135	2.26	.44	5.11	.20

8" Two-Core Masonry Unit				
Density of Block - lbs/ft ³	Cores Empty		Cores Insulated	
	R ⁱ	U	R ⁱ	U
80	2.86	.35	7.74	.13
95	2.61	.38	6.55	.15
105	2.46	.41	5.83	.17
115	2.33	.43	5.17	.19
125	2.21	.45	4.56	.22
135	2.10	.48	4.01	.25

12" Cavity Wall, 4" Outer Wythe, 3/4 Air Space, 8" Two-Core Block				
Density of Block - lbs/ft ³	Cores Empty		Cores Insulated	
	R ⁱ	U	R ⁱ	U
80	4.26	.23	9.14	.11
95	4.01	.25	7.95	.13
105	3.86	.26	7.23	.14
115	3.73	.27	6.57	.15
125	3.61	.28	5.96	.17
135	3.50	.29	5.41	.28

10" Two-Core Masonry Unit				
Density of Block - lbs/ft ³	Cores Empty		Cores Insulated	
	R ⁱ	U	R ⁱ	U
80	3.00	.33	8.52	.12
95	2.73	.37	7.25	.14
105	2.57	.39	6.48	.15
115	2.43	.41	5.76	.17
125	2.31	.43	5.09	.20
135	2.19	.46	4.48	.22

The r-values and u-values are based on information provided by insert manufacturer, CBIS. Values are based on ASHRAE and NCMA publications.

For more information, contact your Trenwyth representative or visit www.cbisinc.com.



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ASTM Reports

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ASTM C-90 specifies the following tests for load bearing concrete masonry walls		
Compressive Strength and Moisture Absorbancy	A test to ensure that blocks meet strength and moisture requirements and are free of cracks and other defects.	Complies

Fire resistance ratings can be calculated using a method that multiplies the percent of solid material in the concrete masonry unit by the actual thickness (in inches) of the blocks to determine the hourly rating for the type of aggregate used. Contact your Trenwyth representative for specific fire ratings.

FIRE RESISTANCE RATINGS/MINIMUM REQUIRED EQUIVALENT INCHES

Aggregate Type in The Concrete Masonry Unit	Fire Resistance						
	0.5 Hr.	0.75 Hr.	1 Hr.	1.5 Hr.	2 Hr.	3 Hr.	4 Hr.
Calcareous or siliceous gravel	2.0 in.	2.4 in.	2.8 in.	3.6 in.	4.2 in.	5.3 in.	6.2 in.
Limestone, cinders or slag	1.9 in.	2.3 in.	2.7 in.	3.4 in.	4.0 in.	5.0 in.	5.9 in.
Expanded clay, shale or slate	1.8 in.	2.2 in.	2.6 in.	3.3 in.	3.6 in.	4.4 in.	5.1 in.
Expanded slag or pumice	1.5 in.	1.9 in.	2.1 in.	2.7 in.	3.2 in.	4.0 in.	4.7 in.

Calculating "Equivalent Thickness" is simply determining what the block thickness would be if the same amount of material contained in a hollow unit were re-molded without core holes.

EQUIVALENT THICKNESS OF CONCRETE MASONRY UNITS (IN INCHES)

Nominal Width (Inches)	Equivalent Thickness		
	Based on Typical Hollow Units (1)	Based on Percent Solid	
		(75% - semi-solid)	(100% - solid)
4	2.68 (73.8%)	2.72	3.625
6	3.09 (55.0%)	4.22	5.625
8	4.04 (53.0%)	5.72	7.625
10	4.98 (51.7%)	7.22	9.625
12	5.77 (49.6%)	8.72	11.625

CALCULATING ESTIMATED FIRE RESISTANCE EXAMPLE

An 8" hollow masonry wall is constructed of expanded slag units reported to be 53%* solid. What is the estimated fire resistance of the wall (modular units)?

Equivalent Thickness = % solid x depth
Example: .53 x 7.625 in. = 4.04 inches

From Table: 3 hr. Fire Resistance requires 4.0 inches

*Percentage solid can be calculated from net area or net volume as determined by ASTM C140 "Methods of Testing Concrete Masonry Units".

(1) Information based on data published by the National Concrete Masonry Association in NCMA TEK 7-1A, available at www.trenwyth.com.



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Installation

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IMPORTANT! Before You Begin

Manufacturer requires that you order a full size unit to illustrate color and texture for approval. Manufacturer also requires a sample panel be installed at the jobsite prior to installation of any Trenwyth products. This panel will represent the quality, color and texture of the product and the workmanship to be expected for the project. Either the owner or the project architect must approve the panel. Failure to produce a sample panel may result in loss of warranty. Manufacturer will provide 4" units for a 4' x 4' sample panel at no cost for the material (excluding freight to the site).

Delivery, Storage and Handling

Mesastone and Verastone Textured masonry units shall be delivered to the jobsite on covered banded pallets with cardboard between the layers. 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, including open tops, 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.

Do not, under any circumstance, install a damaged unit that does not conform to the requirements of ASTM C90. If units have been damaged during transit, contact manufacturer immediately.

INSTALLATION

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 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.

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 RAKED 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.



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Installation

Verastone® Textured Mesastone®

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.

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.
- Mesastone and Verastone Textured facings should not be continuously exposed to temperatures above 250°F.



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Cleaning

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Walls must be cleaned on a daily basis as block laying proceeds.

Masonry surfaces clean most effectively if the cleaning is done within 14-28 days after masonry installation. Mortar and grout smears that remain on the surface for a longer time result in a more difficult cleandown and may cause undesirable results.

Final cleandown of masonry surfaces should be completed before installation of windows, doors, hardware, light fixtures, roofing materials and any other non-masonry item that may be damaged by the cleaning product. If such fixtures have been installed, they must be protected before the cleaner is applied. All caulking and sealant materials should be in place and thoroughly cured before cleaning begins.

Protect all surrounding metal and non-masonry materials, painted surfaces and plant life from contact with the cleaner, residue or fumes.

Masonry Cleaners

Use Burnished Custom Masonry Cleaner by PROSOCO (dilute one part to 3 parts clean water), carefully following manufacturer's instructions. Available from manufacturer.

Do not powerwash.

CAUTION! Never use muriatic acid on units.

Prior to overall application, always test the cleaner (minimum 4' x 4' area) to ensure suitability and desired results. Test each type of masonry and each type of stain. Allow test area to dry for 3 – 7 days before inspection and approval by the project architect or building owner. Clean test areas according to the application below and always make the test panel available throughout the cleaning project.

- Always pour cold water into an empty bucket first before carefully adding detergent.
- Never use hot water.
- Handle in polyethylene or rubber buckets only.
- Acidic materials and fumes will attack metal.

Exterior Test Application

The following cleaning procedure is recommended unless otherwise indicated during testing:

1. Thoroughly saturate a large portion of the masonry surface with clean water.
2. Using a densely-packed, soft-fibered masonry washing brush or low-pressure spray (50 psi maximum), apply diluted solution freely. Do not apply Burnished Custom Masonry Cleaner with pressure spray above 50 psi. Such an application will drive the chemicals deep into the surfaces making it more difficult to rinse completely and may cause efflorescence.
3. Depending on the absorption rate of masonry and drying conditions, allow cleaning solution to remain on the wall for approximately five (5) minutes. Do not allow cleaner to dry into the masonry because it may leave a residue and cause staining.
4. Reapply cleaning solution and scrape off heavy buildup of excess mortar using a wooden scraper. Take care to avoid damaging the masonry surface. Do not use metal scrapers, which may contribute to metallic staining.

Note: Avoid more than one reapplication over the same area. Repeated applications may cause a white detergent film to be deposited on the masonry surface. If mortar deposits are not softened after initial application, allow the solution to remain on the wall for a longer period of time making sure that the cleaner does not dry into the masonry.

5. Rinse thoroughly with fresh water, removing all cleaning compound, free sand, loose materials and debris. Thorough rinsing is extremely important to ensure that all residues are removed from the porous masonry.

Note: To avoid streaking, keep adjacent and lower wall surfaces wet and rinsed free of cleaning residues.

Interior Application

Follow the cleaning procedure outlined for exterior surfaces. Rinse thoroughly with fresh water using a sponge or soft-fiber brush. If conditions do not allow sufficient water for complete rinsing, use a neutralizing rinse and the following procedure:

1. Rinse first with fresh, clean water.
2. Apply neutralizing rinse of two ounces household ammonia to one gallon of clean water.
3. Saturate thoroughly and allow neutralizing solution to dwell on the surface 3 to 5 minutes.
4. Apply a final rinse of fresh, clean water.

General

- Keep walls clean by using brushes or rags and the burlap squares supplied on the Mesastone and Verastone Textured pallets.
- Do not allow excess mortar lumps or smears to harden on the finished surfaces.
- Remove green mortar with burlap or a dry cloth.
- Wipe masonry blocks clean with burlap (provided with each cube) as the blocks are laid each day.
- Protect stored materials and the wall prior to completion to prevent excessive water entry and external soiling.
- Test an unexposed portion of adjacent metal fixtures with the cleaning solution. If corrosion or staining occurs, protect the exposed portions. (Harsh cleaning methods after walls have been erected may mar the surface of the blocks.)
- Protect adjacent masonry and floor area by saturating with water and flushing away any cleaning solution before it dries.

Materials

- Two plastic or hard rubber buckets
- Rubber gloves
- Soft fiber masonry brushes (or whitewash brushes)
- Wooden, plastic or other soft, non-staining scraping device
- Supply of “clean” wipers, such as lint-free cloths or paper towels
- Clean water
- Burnished Custom Masonry Cleaner (dilute one part to 3 parts of clean water). Do not apply with pressure spray above 50 psi. It will cause efflorescence.

DO NOT USE ACID.

Cleaning Procedure 1

1. Brush clean water liberally on the surface area to be cleaned. Brush approximately one square yard at a time.
2. It is important that the masonry wall be kept wet at all times. Do not use dirty water.
3. Apply cleaning solution brushing in a circular motion to remove any unwanted mortar smears.
4. Remove excess lumps of mortar with the soft (wood or plastic) scraping device and re-apply cleaning solution.
5. Allow cleaning solution to remain on the surface for two or three minutes then wash off with liberal amounts of fresh, clean water.
6. Wipe the walls down completely dry with clean, dry wipers.



architectural masonry units

Cleaning

Verastone® Textured Mesastone®

Cleaning Procedure 2

If liberal amounts of water cannot be used, an alternative procedure may be employed.

1. Soak a clean wiper in the cleaning solution. Wring it out so it is wet enough to dampen the surface, but dry enough so that the solution will not run down the wall.
2. Allow the solution to remain on the surface for two or three minutes. Remove excess lumps of mortar with the soft scraping device and repeat Step #1.
3. Wipe the wall completely dry with clean, dry wipers.

Note: To remove mortar smears that have been allowed to harden on the wall and cannot be removed by following the procedures listed above, a solution of Burnished Custom Masonry Cleaner by PROSOCO may be used with a dilution ratio of 1 part cleaner to 3 parts clean water, strictly following manufacturer's instructions.

WARNING! Never use muriatic acid solutions on Mesastone or Verastone Textured units.

Final Cleandown

Clean the completed walls with a detergent masonry cleaner strictly following the manufacturer's instructions including thorough rinsing. Do not use acid or abrasives on the block surfaces. For stubborn mortar stains or smears, a 3:1 solution of Burnished Custom Masonry Cleaner by PROSOCO may be used as long as the walls are thoroughly wetted with clean water before applying the cleaning solution and thoroughly rinsed with clean water immediately after washing. Failure to strictly follow manufacturer's instructions can result in permanent damage to the finished faces. **DO NOT POWERWASH.**

Maintenance

Mesastone and Verastone Textured units, properly installed and cleaned, need virtually no maintenance other than routine cleaning with standard commercial grade cleaning agents such as PINESOL® or FANTASTIK®. For tough stains, contact manufacturer for specific cleaning recommendations. **DO NOT POWERWASH.**

Shapes and Sizes Coding System

All units are nominal 8" and 16" lengths unless modified by symbols as noted below. In some instances, only the first two (2) symbols will be used. Other symbols are added as required.

The coding system is based on a series of symbols that define the size, general type and variance from standard length and return.

1. The 1st part is the number denoting the **nominal thickness:**

1", 2", 4", 6", 8", 10" and 12"

2. The 2nd part is the letter or combination of letters denoting the general **type of unit.**

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 (specify open
or solid bottom)

3. The **3rd part** is a number denoting length of the unit varying from the standard 16" length.

Example: 4FE8 is a 4" thick face and end ground unit that is 8" long.

4. The **4th part** is a letter denoting the hand of the appropriate return unit.

R = Right Hand L = Left Hand

5. SPECIAL NOTE: For unit heights varying from the nominal 8", the numeral denoting height immediately follows the numeral denoting thickness.

Example: 4SFEBN is a nominal 4" thick, 5" high face ground, end ground, bullnose unit.

6. DA# denotes the **scoring pattern.**
(See Page TS 15)

TRENWYTH

architectural masonry units

Shapes & Sizes

Verastone® Textured

Mesastone®

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"

8FEFN: 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 9/8" 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"

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

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

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

Also available in 2, 4 & 6" thicknesses.

*Specify right or left (right shown)

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

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"

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"

Also available in 8" thickness.

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

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

Also available in 6, 10 & 12" thicknesses.

Also available in 6, 10 & 12" thicknesses.

Open Ended Bond Beams (Available from the Phoenix, AZ facility only.)

OE1E: 15 5/8" x 7 5/8"

DCBB OE2E: 15 5/8" x 7 5/8"

DCBB OE1E: 15 5/8" x 7 5/8"

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

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

8FE C1: 15 5/8" x 7 5/8"

8FT C2: 15 5/8" x 7 5/8"

8FET* C4: 15 5/8" x 7 5/8"

8FFE C5: 15 5/8" x 7 5/8"

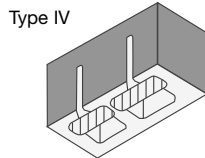
8FEE C11: 15 5/8" x 7 5/8"

*Specify right or left (right shown)

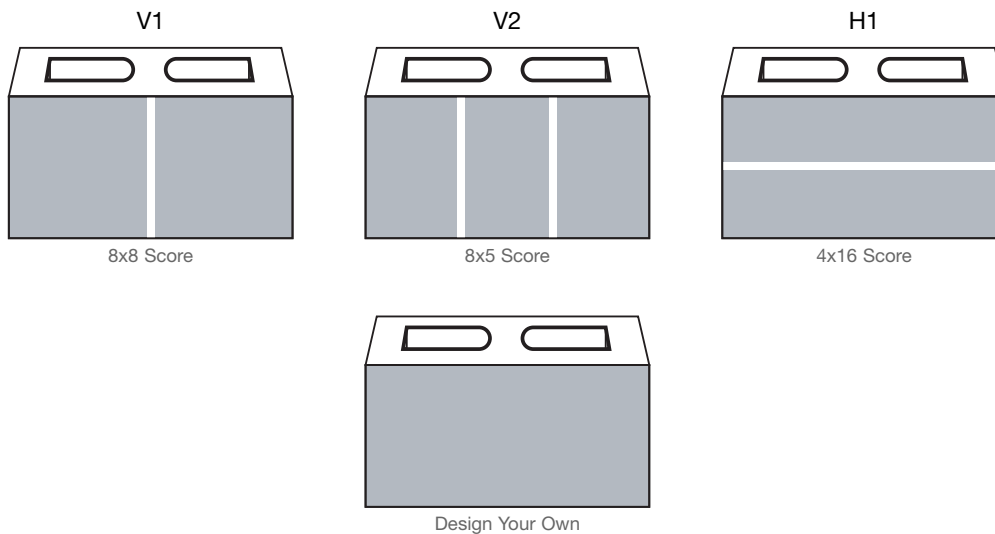
Trendstone®/Acousta-Wal® units

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

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



- **Score Dimensions.** The width of the score is 3/8".
- **Tuckpoint and scored joints.** All scored joints must be tuckpointed to prevent moisture penetration and to match the real joints between the blocks. This gives a more realistic, pleasing appearance to the finished wall.
- **Special scoring.** Written dimensions and a sketch are required in order to produce special scoring. Limitations: No more than five (5) vertical scores or two (2) horizontal scores are acceptable on the face of a block. **DO NOT USE RAKE JOINTS.**





architectural masonry units

Colors Verastone® Textured

Eastern Selection

Note: All color samples are intended to be representative only. For accurate color selection, always request a full size sample.



Chablis
Group C



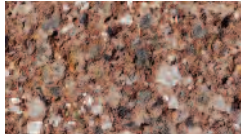
Vintage
Group C



Palomino
Group C



Rhine Grey
Group C



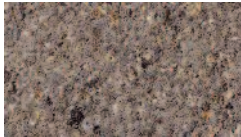
Chianti
Group C

Midwest Selection

Note: All color samples are intended to be representative only. For accurate color selection, always request a full size sample.



Chardonnay
Group C



Superior
Group C



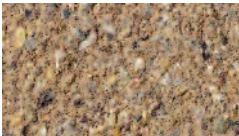
Austin
Group C



Toffee
Group C



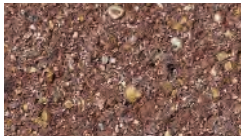
Old Country
Group C



Cambria
Group C



Fossil Reef
Group C



Cabernet
Group C



Schiraz
Group C



architectural masonry units

Eastern Colors Selection Mesastone®

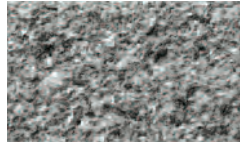
Note: All color samples are intended to be representative only. For accurate color selection, always request a full size sample.



Natural
Eastern Group A



Delmarva
Eastern Group A



Manchester
Eastern Group A



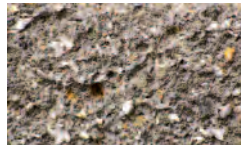
Alamo
Eastern Group C



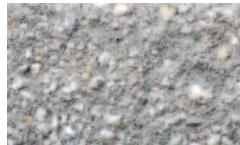
Terra Cotta
Eastern Group C



Fawn
Eastern Group C



Hawthorne
Eastern Group B



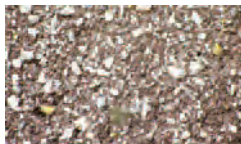
Rutherford Grey
Eastern Group B



Gunsmoke
Eastern Group C



Ashland
Eastern Group C



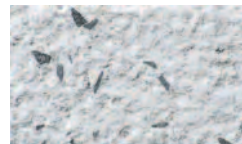
Plum
Eastern Group C



Dover Grey
Eastern Group B



Fairfield
Eastern Group C



Temple Grey
Eastern Group C



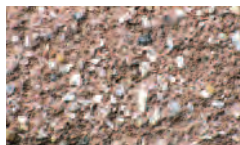
Cambridge
Eastern Group C



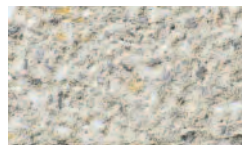
Shannon
Eastern Group D



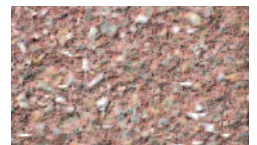
Valley Green
Eastern Group D



Burford Brown
Eastern Group B



Canyon Stone
Eastern Group C



Colonial Red
Eastern Group C



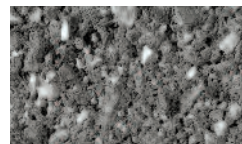
Andover
Eastern Group A



Canterbury
Eastern Group A



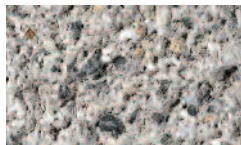
Madison
Eastern Group B



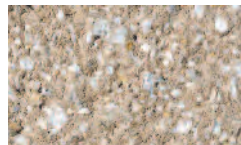
Ravenstone
Eastern Group A



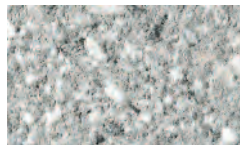
Williamsburg Grey
Eastern Group A



Windermere
Eastern Group A



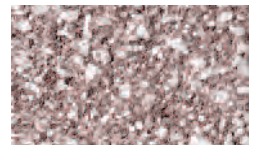
Carson Brown
Eastern Group B



Greystone
Eastern Group B



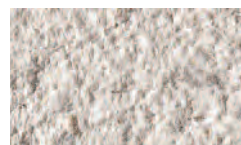
Stoneybrook
Eastern Group C



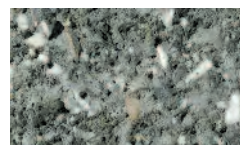
Wine
Eastern Group B



Pembroke
Eastern Group C



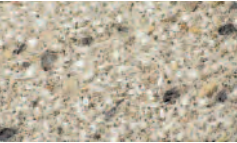
Ramapo White
Eastern Group C



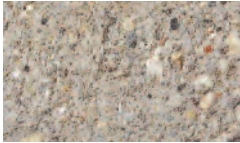
Hampton Green
Eastern Group E

Midwest Colors Selection Mesastone®

Note: All color samples are intended to be representative only. For accurate color selection, always request a full size sample.



Bradley
Midwest Group B



Natural MW
Midwest Group A



Butterfield IV
Midwest Group A



Elmhurst
Midwest Group A



Lincoln
Midwest Group A



Belvidere
Midwest Group A



Springfield
Midwest Group A



Sandstone III
Midwest Group A



Sterling
Midwest Group A



Red Bud
Midwest Group B



Oak
Midwest Group B



Light Brown
Midwest Group B



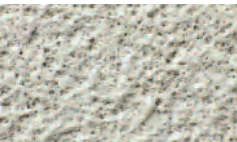
County Gray
Midwest Group B



Sequoia
Midwest Group C



Tawny
Midwest Group B



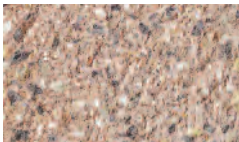
Limestone II
Midwest Group C



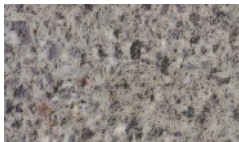
Bloomington
Midwest Group B



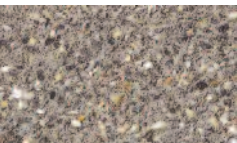
Colonial Red M
Midwest Group B



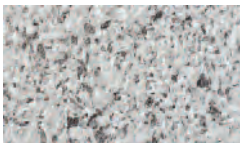
Jewelstone
Midwest Group C



Shadow Gray
Midwest Group C



Ash Charcoal
Midwest Group B



Gray Marble
Midwest Group C



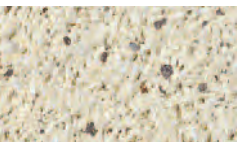
Light Karmel
Midwest Group C



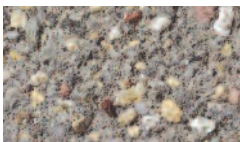
Midwest White
Midwest Group C



Spice
Midwest Group C



Knight Gold
Midwest Group C



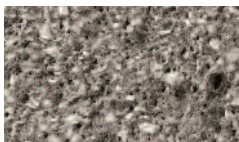
Gray Stone
Midwest Group B



Irish Cream
Midwest Group C



Oreo Cream
Midwest Group C



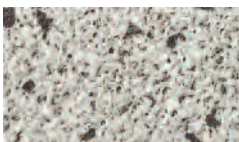
Chocolate
Midwest Group C



Brick Red M
Midwest Group C



Almond Bark
Midwest Group C



Haydite
Midwest Group C



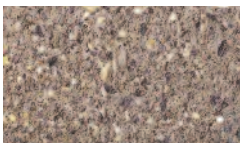
Sundown
Midwest Group C



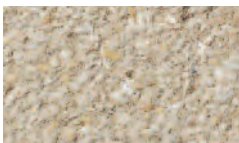
Aztec Tan
Midwest Group C



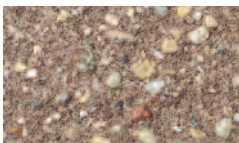
Irving Cream
Midwest Group C



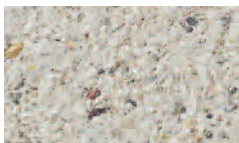
Baton Rouge
Midwest Group C



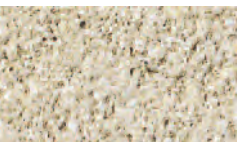
Gold Stone
Midwest Group C



Lasalle
Midwest Group A



Marengo
Midwest Group C



Sedalia
Midwest Group B



architectural masonry units

West Colors Selection Mesastone®

Note: All color samples are intended to be representative only. For accurate color selection, always request a full size sample.



Pebble Beach
West Group A



Huntington Gray
West Group A



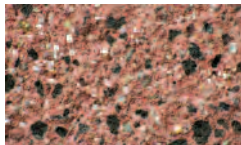
Riverside
West Group B



Red Rock
West Group B



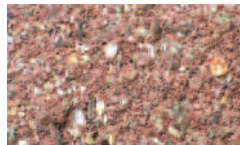
Walnut Creek
West Group B



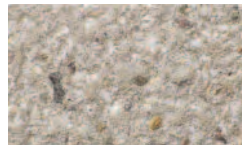
Fuego Red
West Group B



Black Canyon
West Group B



San Mateo Rose
West Group B



Malibu Sand
West Group C



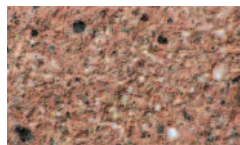
Black Mountain
West Group B



Plum
West Group B



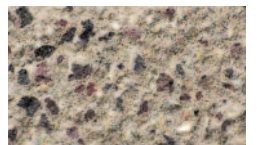
Hopi Sandstone
West Group B



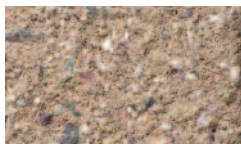
Papago Red
West Group B



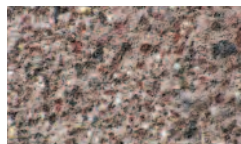
Showlow Sunset
West Group B



MW Bone
West Group B



Modesto
West Group B



Anthem Red
West Group B



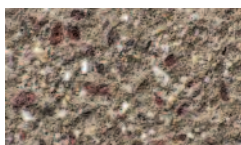
Newport
West Group B



Autumn
West Group B



Beverly Spice
West Group B



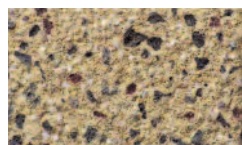
Mojave Brown
West Group B



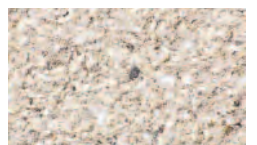
Monterey Stone
West Group B



Ballpark Buff
West Group B



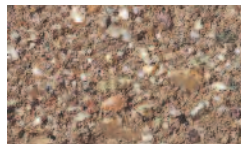
Berkeley
West Group B



Mission White
West Group D



Seashell
West Group D



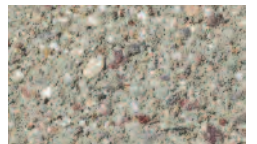
Hopi Sandstone
West Group B



Pearl
West Group D



Purple Hart
West Group C



Willow Green
West Group D