



# Architectural Masonry Design Guide

**COLORS | FINISHES | SHAPES | MORTARS | SPECS**

# York Building Products

## **Our Products**

It's the beauty of carefully selected aggregates combined with precision manufacturing that gives York Building Products architectural masonry units an edge on the competition. Architects and designers can choose from many different finishes-- from polished to coarse and everything in-between-- in a range of vibrant colors. For more design options, our masonry units are available in a wide variety of shapes and sizes, from brick to 24" units.

## **Our Design Philosophy**

We have created a palette of distinctive architectural units to provide architects, designers and contractors a full range of design flexibility. Our colors, shapes and finishes follow trends in the market that reflect current, innovative thought in modern architecture. We regularly expand our offerings and keep pace with innovations in engineering and design.

## **Our Distribution**

Our masonry products are distributed through authorized dealer showrooms primarily east of the Mississippi. To find the dealer nearest you, please visit our website and click "Where to Buy."

We look forward to serving your project needs. We will deliver product samples, binders and brochures, and will consult with you at your convenience. Additionally, we have LEED® AP consultants on-staff to assist with your sustainable project needs.

Contact us at [sales@yorkbuilding.com](mailto:sales@yorkbuilding.com) or 800.673.2408. You can also visit [www.yorkbuilding.com](http://www.yorkbuilding.com) to download valuable specification information, view colors and finishes, and preview all of our products.





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# Commitment to Sustainability

## **OUR SUSTAINABILITY EFFORTS:**

York Building Products is committed to the design and production of products that contribute to sustainable design and reduce life-cycle building costs. In addition, we employ energy reduction and waste recycling efforts throughout our company to reduce the impact on the environment. A sampling of our many sustainability efforts is provided below.

## **PRODUCTION FACILITY CONSUMPTION:**

Our New Holland production facility utilizes a solar array as well as methane gas from a nearby landfill to provide alternative energy sources to run our operations.

## **PRODUCTION WASTE & REUSE:**

We remain committed to making production waste a reusable, recyclable resource. Rejected block from our production line is provided to local contracting firms for reuse in roadbed work, driveways and other needs where virgin material may have been used in the past.

## **WORKPLACE HEALTH & SAFETY:**

Recognizing our duty to provide safe workplaces for all of our employees, we work closely with OSHA (the Occupational Safety and Health Administration). In addition, regular safety training seminars are part of our ongoing company-wide safety awareness program.

## **OFFICE RECYCLING:**

York Building Products currently recycles most paper and metal waste, and printer/copier toner cartridges throughout all office campuses.

## **DESIGN FOR THE ENVIRONMENT:**

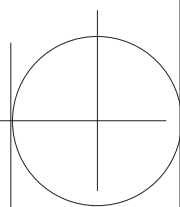
Our ongoing manufacturing approach is to select materials for our product design that provide as minimal an impact as possible on our environment.

## **COMMUNITY ENGAGEMENT:**

We are committed to being a good neighbor in our local communities. Our company and employees have undertaken many efforts to aid communities in which they live, through donations of time, money and talent.

These efforts are just the beginning of our long-term commitment to sustainability. Our ongoing approach is one that we encourage our partners and fellow producers to consider.





# inspiration...

retail

education

office

municipal

religious

residential

# INSPIRATION



*Top:*  
**SEWICKLEY BMW**  
**SEWICKLEY, PA**  
Gemstone® in Mist

*Bottom:*  
**QUEEN STREET PLAZA**  
**YORK, PA**  
Gemstone® Titan Series® in Parchment

*Facing page, top:*  
**CHIPOTLE MEXICAN GRILL**  
**CAMP HILL, PA**  
Gemstone® in Graphite

*Facing page, bottom left:*  
**MCDONALD'S**  
**BRICK, NJ**  
Split Face in Cream

*Facing page, bottom right:*  
**TURKEY HILL STORE**  
**COLUMBIA, PA**  
MASTER-BRIK® in Colonial Blend





# INSPIRATION

*Top:*  
**CALVERT HIGH SCHOOL**  
**PRINCE FREDERICK, MD**  
Rustic Face in Chamois, Crimson and Silver

*Bottom:*  
**MAZIE GABLE ELEMENTARY SCHOOL**  
**RED LION, PA**  
Split Face in custom gray blend and tan

*Facing page, top left:*  
**MONOCACY ELEMENTARY SCHOOL**  
**DOUGLASSVILLE, PA**  
Split Face in Arctic White and Gingerbread

*Facing page, top right:*  
**NORTHEASTERN MIDDLE SCHOOL**  
**YORK, PA**  
Split Face in Gingerbread





# H EDUCATION



# INSPIRATION

*Top:*  
**EZ STORAGE**  
**BRENTWOOD, MD**  
Split Face in Sunset  
Gemstone® in Arctic White

*Bottom:*  
**RKL ACCOUNTING OFFICE**  
**LANCASTER, PA**  
Split Face in Arctic White

*Facing page, top:*  
**GEORGE & LYNCH DESIGN**  
**DOVER, DE**  
Gemstone® in Saddle  
Split Face in Adobe

*Facing page, bottom:*  
**PROVIDENCE BUSINESS PARK**  
**PHOENIXVILLE, PA**  
Split Face in Charcoal, Slate and Sunset



# OFFICE



# INSPIRATION

*Top:*  
**MD ARMY NATIONAL GUARD  
HAVRE DE GRACE, MD**  
Split Face in Adobe, Cream and  
Sandstone mixed

*Middle:*  
**KANSAS CITY NORTH PATROL  
KANSAS CITY, MO**  
Gemstone® in Graphite and Silver mixed

*Bottom:*  
**LOWER SWATARA FIRE DEPT.  
MIDDLETOWN, PA**  
Split Face in Bermuda and Sandstone

*Facing page, top:*  
**REDSKINS TRAINING FACILITY  
RICHMOND, VA**  
Split Face in Sandstone  
Rustic Face in Cream

*Facing page, bottom:*  
**FIRE STATION #1  
HORSHAM, PA**  
Gemstone® in Hershey Red  
Split Face in Charcoal



# MUNICIPAL



# INSPIRATION

*Top:*  
**HIGHLAND PRESBYTERIAN  
LANCASTER, PA**  
Gemstone® in Camel

*Bottom:*  
**HIGHLAND PRESBYTERIAN  
LANCASTER, PA**  
Split Face in Arctic White

*Facing page, top:*  
**REAMSTOWN CHURCH  
REAMSTOWN, PA**  
Split Face in Arctic White, Hershey Red,  
Sunset and Sandstone

*Facing page, bottom:*  
**MARIS GROVE CHAPEL  
GLEN MILLS, PA**  
Split Face in Cream



# RELIGIOUS



# INSPIRATION

*Top:*  
**3RD & VALLEY LUXURY APTS.**  
**SOUTH ORANGE, NJ**  
Temple Stone® in Charcoal

*Bottom:*  
**GRANDMARC LUXURY APTS.**  
**CHARLOTTESVILLE, VA**  
Split Face in Adobe

*Facing page, top:*  
**MAXWELL APARTMENTS**  
**ALEXANDRIA, VA**  
Split Face in Khaki  
Rustic Face in Gingerbread

*Facing page, bottom:*  
**ENGELWOOD APTS.**  
**ENGLEWOOD, NJ**  
Gemstone® in Graphite

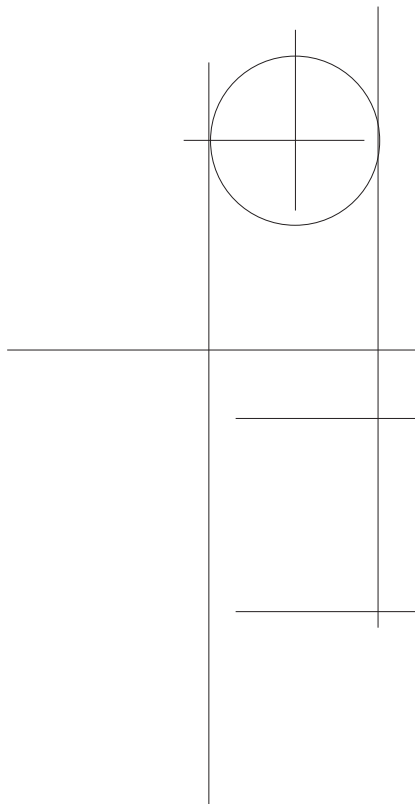




# RESIDENTIAL







# finishes...

gemstone plus<sup>®</sup>

gemstone<sup>®</sup>

temple stone<sup>®</sup>

rustic face

split face



# gemstone plus<sup>®</sup>

Riverside High School | Leesburg, VA  
Gemstone Plus<sup>®</sup> shown in Parchment



GEMSTONE PLUS® filled and polished units provide the dramatic appearance and finish of terrazzo, all in the face of a colored architectural CMU. Gemstone Plus units are designed to meet the specifications for Prefaced CMU (ASTM C744).

The unit faces are ground to expose the beauty of the natural aggregates. Then, polymer-modified cementitious grout is used to fill the pores of the unit. Next, the units are highly polished.

Finally, a clear satin gloss, heat-polymerized acrylic is factory-applied to enhance the natural beauty of the aggregates.

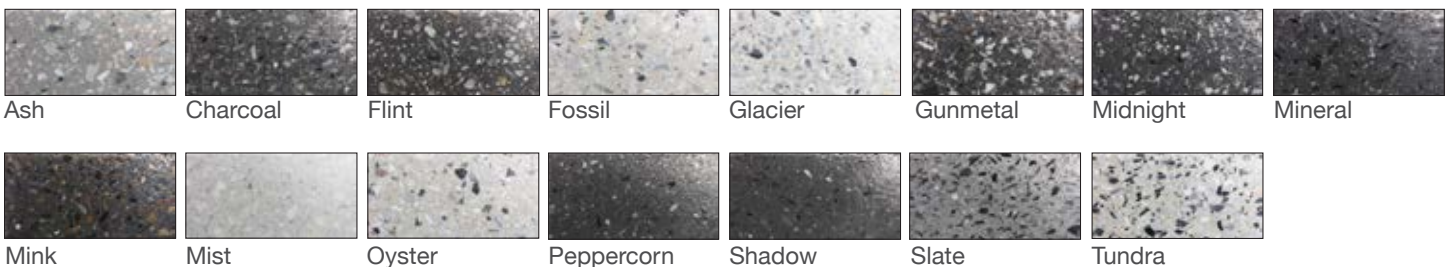
To view Gemstone Plus shapes and sizes, please turn to page 49.

# COLORS

## PREMIUM



## NEUTRALS



Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.



gemstone®

Chipotle Mexican Grill | Camp Hill, PA  
Gemstone® shown in Graphite



GEMSTONE® ground face masonry units feature a milled finish that exposes the beauty of the natural aggregates in the CMU.

Great for interior and exterior spaces, Gemstone units provide drama to a wall structure. In addition to full wall coverage applications, consider using Gemstone as a banding course on Split Face or Rustic Face projects to add visual appeal.

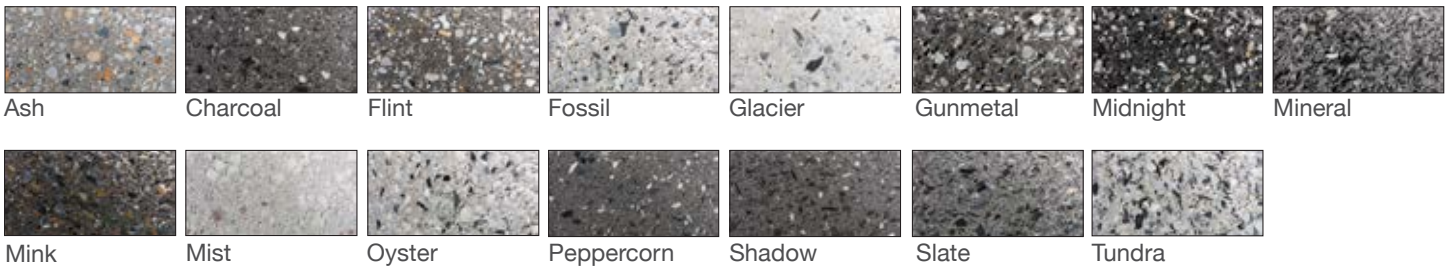
To view Gemstone shapes & sizes, please turn to page 49.

# COLORS

## PREMIUM



## NEUTRALS



Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.



# rustic face

Calvert High School | Prince Frederick, MD  
Rustic Face shown in Crimson





RUSTIC FACE units feature a textured face generated by shotblasting the face of the unit surface, producing a weathered appearance.

Rustic Face units conform to ASTM C90 standard specification for loadbearing units and can also be used in veneer applications.

Perfect for interior applications, Rustic Face units provide a textural appearance that works well with other masonry finishes.

To view Rustic Face shapes and sizes, please turn to page 49.

# COLORS

## PREMIUM



## NEUTRALS



Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.



# temple stone®

Kanawha Plaza | Richmond, VA  
Temple Stone shown in Parchment

[www.yorkbuilding.com](http://www.yorkbuilding.com)

# COLORS



TEMPLE STONE® provides a modern interpretation of Jerusalem Limestone that articulates an aged appearance, while delivering the precision of modern manufacturing.

The unique finish is great for educational institutions, museums, lobbies, theme parks and municipal and recreational facilities.

- Available in all traditional CMU shapes & sizes
- Available in veneer or load-bearing units

To view Temple Stone shapes and sizes, please turn to page 49.



Adobe



Arctic White



Charcoal



Cocoa



Corn Silk



Cream



Hershey Red



Mist



Nantucket Red



Sandstone



Slate



Sunset

Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.



# split face

Giant Food Store | Hanover, PA  
Split Face shown in Crimson & Arctic White



# COLORS



Highway Equipment | Brownstown, PA  
Split Face Face shown in Arctic White

SPLIT FACE masonry units are a popular architectural finish as they offer a uniquely textured face where no two units are alike. This provides aesthetic depth to building design.

Our “premium” colors include more specialty aggregates, utilize bolder pigments and are typically made with white cement. You will find these same colors represented throughout all of our finishes.

Our “standard” colors feature a simplified mix design, which provides a more economical solution for your projects.

To view Split Face shapes and sizes, please turn to page 49.

Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.

## premium



Arctic White



Bermuda



Camel



Chamois



Crimson



Gingerbread



Graphite



Parchment



Port



Putty



Saddle



Sahara



Silver



Terracotta

## standard



Ash



Buff



Cinnamon



Claret



Fieldstone



Flint



Glacier



Khaki



Mojave



Rust



Rye



Salmon



Tabasco



Tuscany



Walnut

Stocked split face colors and shapes are shown on the following page.

# split face (con't.)

## split face stocking program

To assist on fast-track projects, we selected our most popular sizes and colors of split face CMU and stocked them for immediate delivery. This means no special order delays, no minimum quantities and no set-up charges. Our WORKRITE® Colored Masonry Cement is also stocked in Type S matching colors to make it a complete turnkey solution for your masonry needs.

## stocked colors



Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.

## stocked shapes





# special shapes/sizes...

structural brick

oversized cmu

mber

# master-brik®

structural concrete brick

Sleep Number Store | Lancaster, PA  
MASTER-BRIK® shown in Port Blend





Southside Marina | Pittsburgh, PA  
MASTER-BRIK® shown in Chestnut Blend

# COLORS



Chestnut Blend



Colonial Blend

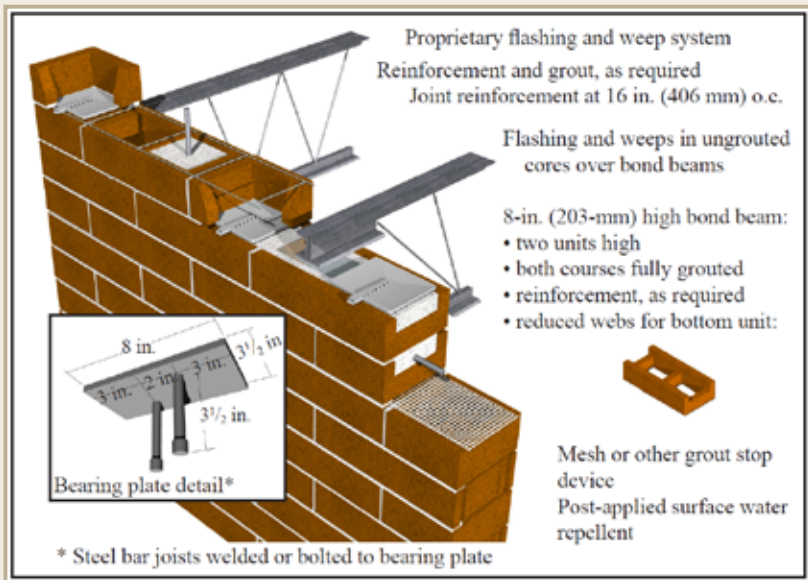


Mocha Blend



Port Blend

Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.



MASTER-BRIK® single-wythe brick units provide all of the beauty of clay brick with the strength, durability and design versatility of modern concrete masonry units.



Single-wythe construction allows for faster installation, keeping project construction and trade labor costs to a minimum.

MASTER-BRIK is available in four “kiln-flashed” colors, or choose from our Standard or Premium series of solid colors. Matching mortars are available for all color options.

To view MASTER-BRIK shapes and sizes, please turn to page 53.



# titan series<sup>®</sup>

vener oversized masonry

Village Elementary | West Windsor, NJ  
Titan Series<sup>®</sup> shown in Camel (Gemstone<sup>®</sup> finish)

For projects where a larger-scale masonry unit is needed, we offer our TITAN SERIES® veneer units. Designed specifically to meet those large-scale needs, Titan Series units are useful for constructing columns and piers and providing a stout accent detail.



Titan Series units are available in Gemstone® and Rustic Face colors shown below. (Also available in Gemstone Plus® colors.) Units can be manufactured with chamfers.

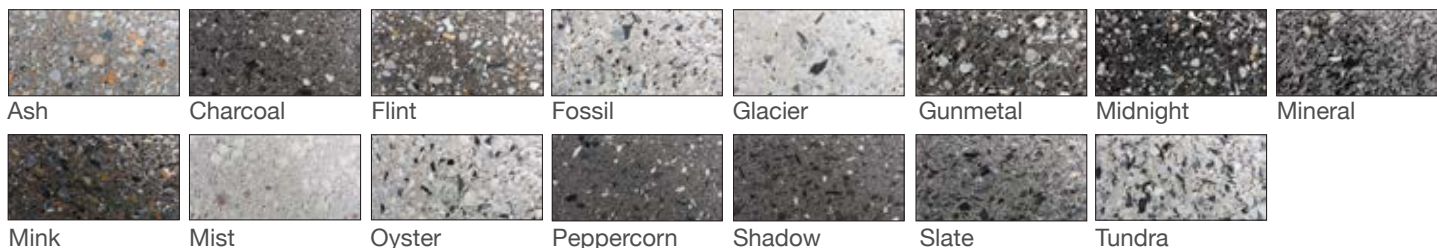
To view shapes and sizes, please turn to page 53.

## GEMSTONE® COLORS

### PREMIUM



### NEUTRALS



## RUSTIC FACE COLORS

### PREMIUM



### NEUTRALS



Due to the nature of natural aggregates, some variation is to be expected in color and texture. We recommend erecting a jobsite sample panel to show color and texture.





# special applications...

concrete lintels

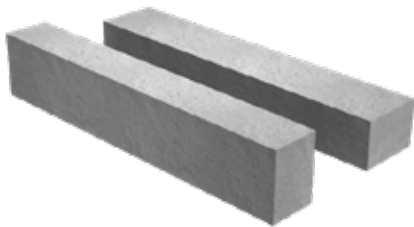
cleanroom units

insulated units

acoustic units

colored cements for masonry

# concrete lintels



**SOLID LINTELS.** With over 60 years of manufacturing experience, we've developed a reputation for tight lintel tolerances. Available in a full range of sizes, solid lintels are stocked in 4x8, 6x8 and 8x8 sizes, and in lengths from 2 feet to 12 feet.



**U-LINTELS.** Available in 6x8, 8x8, 10x8 and 12x8 up to 12-foot lengths. U-shaped lintels have pre-molded notches to allow for vertical rebar.

## U-LINTEL BENEFITS

**LABOR SAVINGS** – Simply set the U-Lintel in place, rebar and grout, and continue laying the next course. No need to square-up multiple wythes of bond beams.

**TIME SAVINGS** – Since one U-Lintel is placed in lieu of multiple bond beams, significant time can be saved.

**FLEXIBILITY** – Provides many variations in reinforcing within the U-Lintel, allowing for differently-sized rebar, depending on the project needs.

**ELIMINATE STRUCTURAL STEEL LINTELS** – Typical problems associated with structural steel lintels such as lengthy fabrication lead times, corrosion, lack of fire resiliency and differential movement at the supports are eliminated by using concrete U-Lintels.

# cleanroom units

**CLEAN-COAT™ CMU.** Manufactured with a special mix design to deliver a tighter face matrix, these units are ideal in cleanroom environments (for specialized industrial production or scientific research), where a less porous face texture is required.



# insulated units

For projects where a higher R-value is desired, pre-insulated CMU offer several solutions for energy efficiency. All units are available in standard concrete or architectural colors. More details can be found at [www.yorkbuilding.com](http://www.yorkbuilding.com).

## STANDARD CMU WITH KORFIL® INSERTS

We insert insulation into the cores of CMU, so the units are delivered ready to lay. Available in 6", 8", 10" and 12" bed depths.



## HI-R® INSULATED BLOCK

Hi-R® is a specially-designed CMU with smaller webs to reduce thermal bridging and contains individually molded insulation inserts. This unit achieves higher R-values than standard CMU insulation. Available in 8", 10" and 12" bed depths.

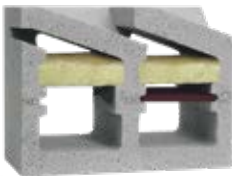


# acoustic units



**SOUNDBLOX®** delivers excellent sound absorption from unique cavity-slot resonator construction. The funnel shaped slots provide superior acoustical performance. Using a metal septum and fibrous filler in the cavity, this CMU works to provide higher levels of sound absorption across a wider range of frequencies. (Units are available in smooth face or Gemstone® finishes.)

SOUNDCELL® Unit



**SOUNDCELL®** and **ACOUSTADE®** units utilize a deeply-beveled face, and is designed to capture and hold sound waves while giving visual texture to walls.

ACOUSTADE® Unit



These units improve the quality and nature of sound by providing desirable diffusion with their innovative grid and impressed form. (Units are available in smooth face finish only.)



**DIFFUSORBLOX®** units offer a distinctive appearance, extended low frequency absorption, sound isolation and sound diffusive reflection control, making it the most cost-effective acoustical CMU in the industry. (Units are available in smooth face finish only.)

# cements for masonry



Our WORKRITE® colored cements are blended using Portland cement, limestone, synthetic iron oxides and other materials to produce a vast spectrum of colors in various cement types-- depending upon your specific project needs.
































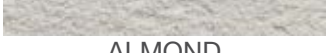




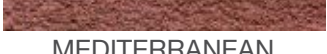

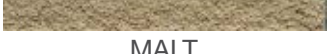







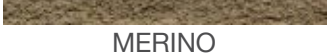

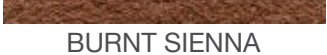
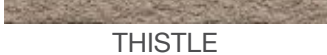


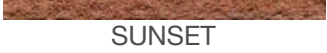
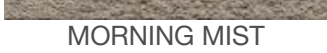




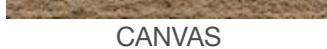
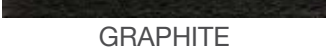
Our colored cements are blended with the utmost care to ensure colorfastness while continuing to exceed ASTM requirements. Our cements are packaged in multi-layered bags for added security.

We produce our 60-color palette in Masonry Cement, Mortar Cement and Portland Cement & Lime blend.





# workrite® colors

 CHESTNUT	 BLUSH	 BISQUE	 PEBBLE
 RAW UMBER	 SALZBURG	 CURRY	 SUEDE
 ESPRESSO	 TERRACOTTA	 PATAGONIA	 MUSHROOM
 APPALACHIAN	 AMBER	 SAWGRASS	 BIRCH
 TIMBER	 FALLOW	 SAGE	 RIVERSTONE
 COCOA	 TAUPE	 WHEAT	 SAND
 PORT	 CINDER	 OLIVE	 CHAMPAGNE
 REDWOOD	 MARBLE	 BUCKSKIN	 ALMOND
 MAHOGANY	 PRAIRIE	 OLDE COLONY	 ARCTIC WHITE
 MEDITERRANEAN	 SAWDUST	 MALT	 SLATE
 CANYON	 DRIFTWOOD	 RIDGE	 GLACIER
 AUTUMN	 SHELL	 MERINO	 GRAVEL
 BURNT SIENNA	 THISTLE	 GRAIN	 PEWTER
 SUNSET	 MORNING MIST	 CLAY	 SMOKE
 MAUVE	 ACORN	 CANVAS	 GRAPHITE

Custom colors can be produced to match new or existing masonry units, and are formulated on request.

# cements for masonry, con't.

workrite® family of products

	Masonry Cements	Mortar Cements	Tuckpoint Mortar	PC/L Blends	Portland Type 1
PIGMENTED	 	 		 	
NON-PIGMENTED		 		 	

University of Richmond - Queally Center  
 Richmond, VA  
 Mortar Color shown in Birch





## formulations

- TYPE M\*:** Our strongest mix, used in instances where additional compressive strengths are required.
- TYPE S:** A common mix, can be used above or below grade.
- TYPE N:** For above-grade construction only, it is recommended for exterior brick and block veneers.
- TYPE O:** A special mix design formulated for tuckpoint needs such as historic restorations.

## packaging

Cement Product	Type M*	Type S	Type N	Type O	Type 1
Colored Masonry Cement	80 lbs. 36 kg	75 lbs. 34 kg	70 lbs. 32 kg		
Gray / Colored Mortar Cement	70 lbs. 32 kg	65 lbs. 29.5 kg	60 lbs. 27.2 kg		
Gray / Colored Tuckpoint Mortar				72 lbs. 32.7 kg	
Gray / Colored PC&L	72 lbs. 32.7 kg	72 lbs. 32.7 kg	72 lbs. 32.7 kg		
Colored Portland Cement Type 1					94 lbs. 42.6 kg

\* Type M cements are available by custom-order only.



Gray and colored Mortar Cements are formulated with Easy-Spread admixture as a code-recognized lime replacement.

## samples & certification

Sample bags for pre-construction test panels can be obtained by contacting a local masonry supply dealer or your WORKRITE® sales representative. Mill Test Reports and Certification Letters are available for download at [www.workrite-cements.com](http://www.workrite-cements.com). Our free 60-color sample kit can be ordered via email at [sales@workrite-cements.com](mailto:sales@workrite-cements.com) or by calling 800.673.2408.







# specification guides...

construction details

masonry specifications

four-step specification guide

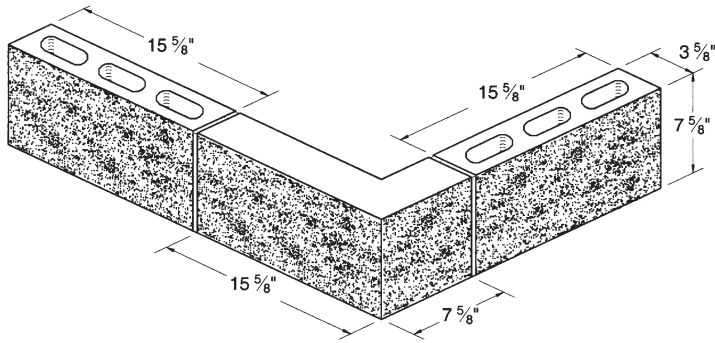
masonry protective coatings

design assistance

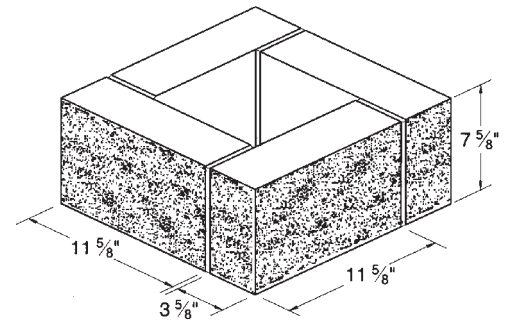
# construction details

## corner assembly

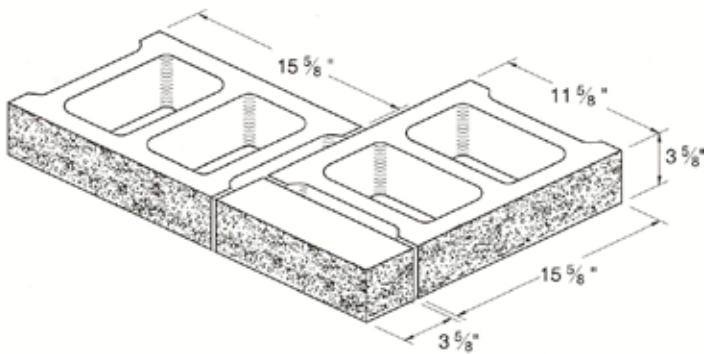
## pier/column assembly



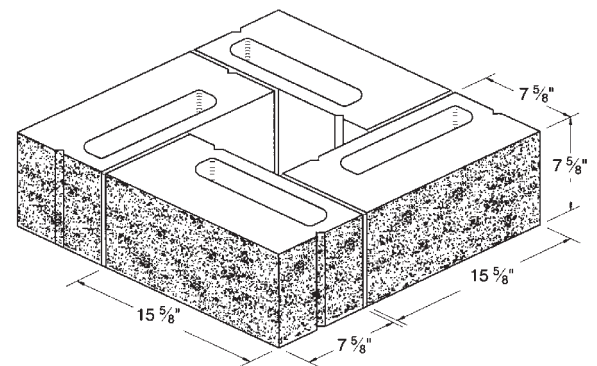
8 inch Corner Assembly  
Using L-Corner Unit



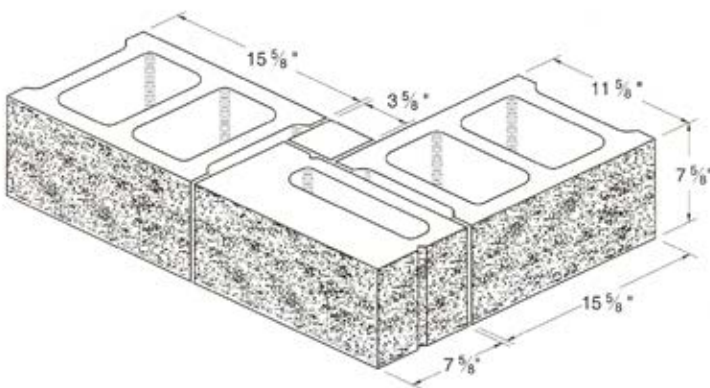
16 x 16 Pier  
Using 4 x 8 x 12 Split Face Quion Corners



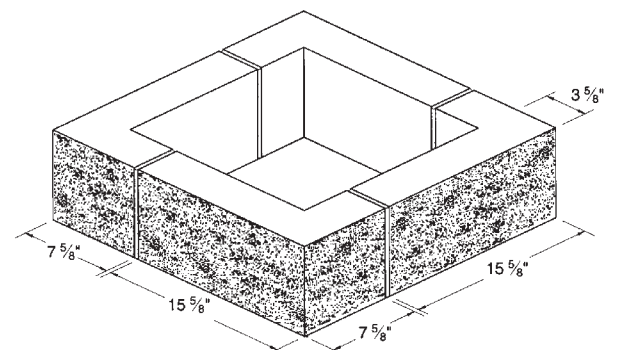
Corner Assembly  
12 inch Half-High Using a 4 x 4 x 12 Solid Corner Unit



24 x 24 Pier Column Assembly  
Using 8 x 8 x 16 Universal Corners



12 inch Corner Assembly  
Using an 8 x 8 x 16 Universal Corner Unit



24 x 24 inch Pier Column Assembly  
Using 8 inch L-Corner Unit

# masonry specifications

## PART 1—GENERAL

### SUBMITTAL

Submit color samples for selection from manufacturer's series. Submit product literature, certifications, test reports and full size sample(s) of each color specified.

### QUALITY ASSURANCE

#### Certifications (Non-Ground Face Products):

Concrete blocks for finishing shall conform to ASTM C90. The provisions of ASTM C90 apply with regard to appearance. All units contain an integral water repellent and CMU admixture at the time of manufacture.

Certifications (Ground Face Products: Gemstone®, Gemstone Plus®, Temple Stone®): Concrete blocks for finishing shall conform to ASTM C90. The provisions of ASTM C90 apply with regard to appearance. All units contain an integral water repellent and CMU admixture at the time of manufacture. Field-applied Gemcoat™ sealer is recommended for all ground face projects.

Fire Resistance: Define hourly ratings required as 1, 2, 3 or 4 hours.

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

### DELIVERY, STORAGE AND HANDLING

Masonry units shall be delivered to the jobsite on covered banded pallets. 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 tops of walls each day after installation to keep open walls protected and dry. After units are installed they should be protected from staining or other damage by covering the bottom of the walls with plastic.

## PART 2—PRODUCTS

### PRODUCT NAME

Architectural Concrete Masonry Units (All Finishes)

### MANUFACTURER

York Building Products | 950 Smile Way, York, PA 17404 | 800.673.2408

### RELATED MATERIALS

Colored matching or contrasting mortar is available from WORKRITE®. Refer to Division 4 Masonry Section for mortar type and specifications. In all exterior mortar, use water-repellent mortar additive available from York Building Products and follow manufacturer's instructions.

### SIZES AND SHAPES

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

### MASONRY CLEANERS

Use appropriate masonry cleaners for all finishes. Follow manufacturer's instructions for proper mixing and application. Do not apply cleaner with pressure spray above 50 psi. **CAUTION! Never use muriatic acid solution on units.**

## PART 3—EXECUTION

### INSTALLATION

Lay blocks from more than one pallet at a time during installation. Lay units using the best concrete masonry practices. Lay blocks with the faces level, plumb and true to the line strung horizontally at the face. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

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

#### Mortar Bedding and Jointing:

- 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.
- Tool all mortar joints - when thumbprint hard - into a concave or v-joint.
- Care should be taken to remove mortar from the face of masonry units before it sets.

### INSTALLATION RECOMMENDATIONS

- A complementary or matching mortar color is recommended when using colored architectural units.
- Always test a small, inconspicuous area before using cleaners. Do not use acids or abrasives on finished surfaces.

### 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. See NCMA Tek 19-5A.

### WEEPS AND VENTS

Install weep holes and vents at proper intervals (32" O.C. above bed joints, typical) at courses above grade, above flashing and at any water stops over windows, doors and beams. See NCMA Tek 19-5.

### INSPECTION

The textured or ground faces shall be free from chips, cracks or any other imperfection that would detract from the overall appearance of the finished wall 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 block surface. To ensure proper appearance for your projects, please add the following comment to your documents where Gemstone®, Gemstone Plus® and Temple Stone® products have been specified: "Gemcoat™ ground face masonry sealer must be applied after final wash down of masonry walls."

### FINAL CLEANDOWN

Clean the completed walls with masonry cleaner APPROPRIATE FOR THE FINISH, 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.

### MAINTENANCE

Properly installed and cleaned architectural masonry units need virtually no maintenance other than routine cleaning with standard commercial grade cleaning agents.

# four-step specification guide

Use our simple “Product Specification Codes” when specifying our masonry products. By using these codes, performing take-offs and product ordering by masons is more accurate.

Our **Product Specification Code** system is based upon four elements:

1. Product Color
2. Base Code (the basic unit designation, incorporating the unit size and shape)
3. Edge Code (for bullnose or chamfer edges, if desired)
4. Attribute Code (for details like insulation, scores, finished ends, etc.)

By adding these elements together, you produce the final Product Specification Code to use in your specification documents. Following is an example Product Specification Code with all digits complete for an 8x8x16 Gemstone Plus® unit in Chamois with finished face and right end, Korfil insulation and chamfered edge:

Chamois – 8816H – GSP – C1 – FE-R-X-2-X

<b>PRODUCT COLOR</b> (Select from product pages)	<b>BASE CODE</b> (Supplied on pages 53-55)	<b>EDGE CODE</b> (Supplied on page 56)	<b>ATTRIBUTE CODE</b> (Supplied on page 57)
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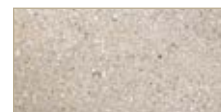
## STEP 1: CHOOSE PRODUCT COLOR

Chamois – 8816H – GSP – C1 – FE-R-X-2-X

<b>PRODUCT COLOR</b> (Select from product pages)	<b>BASE CODE</b> (Supplied on pages 53-55)	<b>EDGE CODE</b> (Supplied on page 56)	<b>ATTRIBUTE CODE</b> (Supplied on page 57)
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Select the Product Color for the finishes you desire. Choose any product color(s) to start your Product Specification Code.

Color swatches are available on each product finish page in the front of this catalog. In addition, you can request a sample kit to see actual color samples.



Putty



Chamois



Sahara



Silver



# STEP 2: ADD THE UNIT “BASE CODE”

Each CMU is assigned a simple Base Code. Use this code directly after the Product Color (separated with a dash).

Chamois – **8816H – GSP** – C1 – FE – R – X – 2 – X

PRODUCT COLOR (Select from product pages)      **BASE CODE** (Supplied on pages 53-55)      EDGE CODE (Supplied on page 56)      ATTRIBUTE CODE (Supplied on page 57)

## Hollow Stretcher



Base Codes By Finish					
Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
4x8x16	4816H-GSP	4816H-GMS	4816H-TPS	4816H-RSF	4816H-SPF
6x8x16	6816H-GSP	6816H-GMS	6816H-TPS	6816H-RSF	6816H-SPF
8x8x16	8816H-GSP	8816H-GMS	8816H-TPS	8816H-RSF	8816H-SPF
10x8x16	10816H-GSP	10816H-GMS	10816H-TPS	10816H-RSF	10816H-SPF
12x8x16	12816H-GSP	12816H-GMS	12816H-TPS	12816H-RSF	12816H-SPF

## Solid Stretcher



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
2x8x16	2816S-GSP	2816S-GMS	2816S-TPS	2816S-RSF	2816S-SPF
4x8x16	4816S-GSP	4816S-GMS	4816S-TPS	4816S-RSF	4816S-SPF
6x8x16	6816S-GSP	6816S-GMS	6816S-TPS	6816S-RSF	6816S-SPF
8x8x16	8816S-GSP	8816S-GMS	8816S-TPS	8816S-RSF	8816S-SPF
10x8x16	10816S-GSP	10816S-GMS	10816S-TPS	10816S-RSF	1016S-SPF
12x8x16	12816S-GSP	12816S-GMS	12816S-TPS	12816S-RSF	N/A

## L-Corner



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
4x8x16	4816L-GSP	4816L-GMS	4816L-TPS	4816L-RSF	4816L-SPF

## Universal Corner



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
8x8x16	N/A	N/A	N/A	N/A	8816H-SPF-FE

Note: Use this single unit for any bed depth split face or chiseled face corners. Can be easily converted into a 4x8x16 L-Corner at the job site.

## Hi-R® Insulated Unit



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
8x8x16	88DCHKHR-GSP	88DCHKHR-GMS	88DCHKHR-TPS	88DCHKHR-RSF	88DCHKHR-SPF
10x8x16	A8DCHKHR-GSP	A8DCHKHR-GMS	A8DCHKHR-TPS	A8DCHKHR-RSF	A8DCHKHR-SPF
12x8x16	B8DCHKHR-GSP	B8DCHKHR-GMS	B8DCHKHR-TPS	B8DCHKHR-RSF	B8DCHKHR-SPF

# four-step specification guide

## Half Block



### Base Codes By Finish

Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
4x8x8	488S-GSP	488S-GMS	488S-TPS	488S-RSF	488S-SPF
6x8x8	688H-GSP	688H-GMS	688H-TPS	688H-RSF	688H-SPF
8x8x8	888H-GSP	888H-GMS	888H-TPS	888H-RSF	888H-SPF
10x8x8	1088H-GSP	1088H-GMS	1088H-TPS	1088H-RSF	1088H-SPF
12x8x8	1288H-GSP	1288H-GMS	1288H-TPS	1288H-RSF	1288H-SPF

## Half-High



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
4x4x16	4416S-GSP	4416S-GMS	N/A	4416S-RSF	4416S-SPF
6x4x16	6416S-GSP	6416S-GMS	N/A	6416S-RSF	6416S-SPF
8x4x16	8416S-GSP	8416S-GMS	N/A	8416S-RSF	8416S-SPF
12x4x16	12416S-GSP	12416S-GMS	N/A	12416S-RSF	12416S-SPF

## Closed-Bottom Bond Beam



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
6x8x16	6816CB-GSP	6816CB-GMS	6816CB-TPS	6816CB-RSF	6816CB-SPF
8x8x16	8816CB-GSP	8816CB-GMS	8816CB-TPS	8816CB-RSF	8816CB-SPF
10x8x16	10816CB-GSP	10816CB-GMS	10816CB-TPS	10816CB-RSF	10816CB-SPF
12x8x16	12816CB-GSP	12816CB-GMS	12816CB-TPS	12816CB-RSF	12816CB-SPF

## Open-Bottom Bond Beam



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
6x8x16	6816OB-GSP	6816OB-GMS	6816OB-TPS	6816OB-RSF	6816OB-SPF
8x8x16	8816OB-GSP	8816OB-GMS	8816OB-TPS	8816OB-RSF	8816OB-SPF
10x8x16	10816OB-GSP	10816OB-GMS	10816OB-TPS	10816OB-RSF	10816OB-SPF
12x8x16	12816OB-GSP	12816OB-GMS	12816OB-TPS	12816OB-RSF	12816OB-SPF

# four-step specification guide

## MASTER-BRIK®



### Base Codes By Finish

Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
4x4x16	N/A	N/A	N/A	N/A	4416S-MB
6x4x16	N/A	N/A	N/A	N/A	6416H-MB
8x4x16	N/A	N/A	N/A	N/A	8416H-MB
8" Corner	N/A	N/A	N/A	N/A	8416H-MB-E
12x4x16	N/A	N/A	N/A	N/A	12416H-MB

## Titan Series® Oversized Unit



Nom. Size	Gemstone Plus	Gemstone	Temple Stone	Rustic Face	Split Face
4x4x24	N/A	N/A	N/A	4424TS-RSF	N/A
4x8x24	4824TS-GSP	4824TS-GMS	N/A	4824TS-RSF	N/A
4x12x12	41212TS-GSP	41212TS-GMS	N/A	41212TS-RSF	N/A
4x12x16	41216TS-GSP	41216TS-GMS	N/A	41216TS-RSF	N/A
4x12x24	41224TS-GSP	41224TS-GMS	N/A	41224TS-RSF	N/A
4x16x16	41616TS-GSP	41616TS-GMS	N/A	41616TS-RSF	N/A
4x16x24	41624TS-GSP	41624TS-GMS	N/A	41624TS-RSF	N/A
6x8x24	6824TS-GSP	6824TS-GMS	N/A	6824TS-RSF	N/A
6x16x24	61624TS-GSP	61624TS-GMS	N/A	61624TS-RSF	N/A
8x8x24	8824TS-GSP	8824TS-GMS	N/A	8824TS-RSF	N/A
8x16x24	81624TS-GSP	81624TS-GMS	N/A	81624TS-RSF	N/A

*Note: The charts in this specification guide show our most commonly-used shapes and sizes. Please consult your York Building Products representative with any additional shape or size needs.*

# four-step specification guide

## STEP 3: ADD THE UNIT "EDGE CODE"

Select a code for various bullnose or chamfered edges. Use this code directly after the Base Code (separated with a dash). If you are not choosing an edge for your units, simply mark an "X" in this code area.

Standard bullnose: 1" radius. Standard chamfer: 1"x1". (For custom bullnose/chamfer, see a YBP representative.)

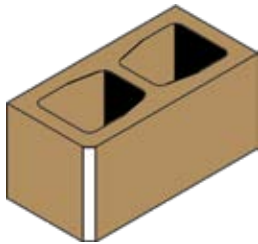
Chamois – 8816H – GSP – **C1** – FE – R – X – 2 – X

**PRODUCT COLOR**  
(Select from product pages)

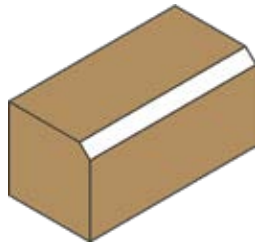
**BASE CODE**  
(Supplied on pages 53-55)

**EDGE CODE**  
(Supplied on page 56)

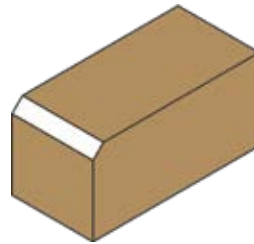
**ATTRIBUTE CODE**  
(Supplied on page 57)



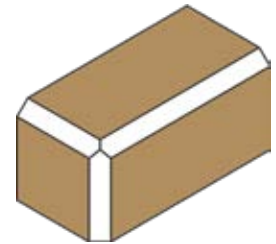
**B1** (Bullnose)  
**C1** (Chamfer)



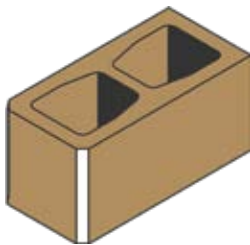
**B2** (Bullnose)  
**C2** (Chamfer)



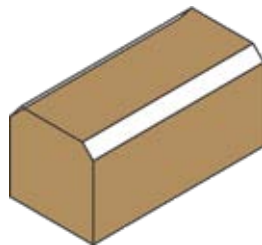
**B3** (Bullnose)  
**C3** (Chamfer)



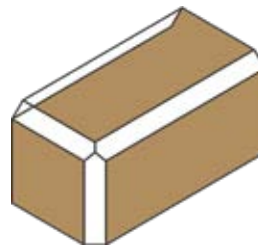
**B4** (Bullnose)  
**C4** (Chamfer)



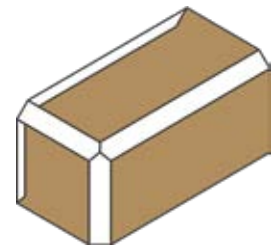
**B5** (Bullnose)  
**C5** (Chamfer)



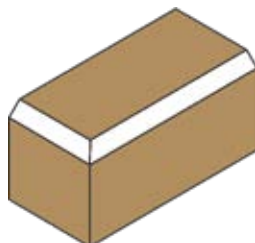
**B6** (Bullnose)  
**C6** (Chamfer)



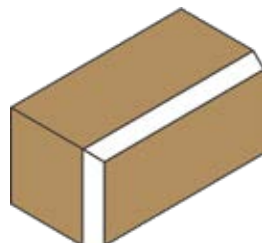
**B7** (Bullnose)  
**C7** (Chamfer)



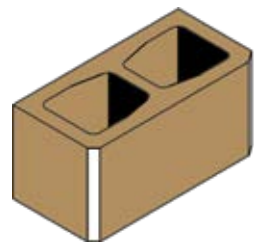
**B8** (Bullnose)  
**C8** (Chamfer)



**B9** (Bullnose)  
**C9** (Chamfer)



**B10** (Bullnose)  
**C10** (Chamfer)



**B11** (Bullnose)  
**C11** (Chamfer)

# four-step specification guide

## STEP 4: ADD THE “ATTRIBUTE CODE” DIGITS

After you have chosen your Product Color, specified your Base Code (separated with a dash) and added your Edge Code if applicable (separated with a dash), complete your Product Specification Code by adding the following Attribute Codes. If you don't need any of these additional elements, simply place an “X” in its place to complete the final Product Specification Code (see below).

Chamois – 8816H – GSP – C1 – **FE-R-X-2**

<b>PRODUCT COLOR</b> (Select from product pages)	<b>BASE CODE</b> (Supplied on pages 53-55)	<b>EDGE CODE</b> (Supplied on page 56)	<b>ATTRIBUTE CODE</b> (Supplied on page 57)
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### 1. Select Unit Finish Treatment

F = Finished face  
2F = 2x finished faces  
E = Finished end  
2E = 2x finished ends  
  
T = Finished top  
B = Finished bottom  
X = None

<INSERT DASH>

### 2. Select Return Unit

R = Right hand  
L = Left hand  
X = None

<INSERT DASH>

### 3. Select Score Details

V = Vertical  
V2 = 2x vertical scores  
H = Horizontal  
H2 = 2x horizontal scores  
X = None

<INSERT DASH>

### 4. Select Insulation Attributes

1 = ICON  
2 = Korfil U  
3 = Hi-R  
4 = NRG  
X = None

Note: All units manufactured to normal weight density. Contact your YBP representative to specify another density classification.

# masonry protective coatings

## PROTECT YOUR INVESTMENT.



We back our coating products with a 7-year warranty.

Building a masonry structure is a complex and costly investment. Protect that investment and maintain your building's beauty for years to come with specialty protective coatings by York Building Products.

We jointly developed these coatings with a US-based chemical company to meet our customers' exacting needs while protecting the integrity of our block colors and finish.

Designed with environmental and human safety in mind, all coating products are environmentally friendly and low VOC.

When specifying our masonry products, please remember to specify the proper coatings by name to help ensure the life, integrity and beauty of your structure remains intact.

*Product Data Sheets and test reports for all coating products are available for download at [www.yorkbuilding.com](http://www.yorkbuilding.com).*

### GEMCOAT™



GEMCOAT™ is a liquid membrane water-resistant sealer made of a 100% acrylic polymer formulation which creates a full-gloss finish that protects and improves the appearance of architectural block. It enhances and deepens the beauty and color of the aggregates within the masonry unit. It is resistant to liquids, yet is vapor/air permeable. It provides excellent protection from elements, such as water, alkalis, acids, airborne pollutants and ultraviolet light, without losing the gloss finish.

### GEMCOAT-WB™



A water-resistant sealer similar to our standard GEMCOAT™ sealer, but uses a *water-based* formula versus solvent-based.

Due to its water-based formulation, there is virtually no odor, making it the perfect application for sensitive environments like schools, hospitals and office buildings that may already be occupied.

### GRAFFITI-CLEAN™



Whether your building is “tagged” by a graffiti artist or treated to innocent “artwork” by a student wielding crayons, you need fast results and a totally clean removal. GRAFFITI-CLEAN™ is an environmentally friendly cleaner that removes most paint, crayon, oil, permanent marker, varnish, glue, etc., from most CMU wall surfaces.

### WATER-SHIELD™



WATER-SHIELD™ provides a long-term beading effect over a masonry surface, keeping moisture out of even the smallest pinholes. Apply WATER-SHIELD post-construction to give building envelopes (including mortar joints) additional moisture protection.

### GEMCOAT MOLD-RESISTANT COATING ADDITIVE™



A coating additive for use with our GEMCOAT™ concrete sealers. When applied to concrete masonry units, this coating creates an anti-microbial film that will help inhibit the growth of bacteria, mold and mildew on the coating.

Solvent-based and water-based versions are available.

# design assistance

## SAMPLE COLOR KITS

To assist with your color and finish specification. Please contact our architectural sales representatives at 800.673.2408 or email [sales@yorkbuilding.com](mailto:sales@yorkbuilding.com).



### Color Kits:

Split Face Standard	Gemstone®
Split Face Premium	Gemstone Plus®
Split Face Stocked	Neutrals
Rustic Face	WORKRITE® Cements

## AIA CONTINUING EDUCATION

York Building Products offers a variety of educational opportunities for designers. There is no program charge, and with your input on menu selection, York Building Products will provide the meal. To schedule a presentation, please contact us today.

The following **AIA/CES courses** are available. For more course detail, please visit our website.

- Accurate and Simplified Structural Design
- Acoustical Masonry Systems
- BIM - Model Driven Construction & Design for Masonry
- Captivating Aesthetics With Lasting Performance
- How To Control Cracks In New Buildings
- How To Keep Water Out For Sustainability and Performance
- Increasing Energy Efficiency
- Manufacturing and Construction Overview
- Selecting Masonry Cements



## TECHNICAL INFORMATION

### **BIM - Revit® Design Files:**

We provide Autodesk Revit® design files for our common unit shapes and sizes, including the family of finishes and colors by shape. They are free to download from our website through BIMobject®.

### **NCMA e-TEK:**

The National Concrete Masonry Association (NCMA) publishes a series of technical bulletins related to current topics on masonry construction, design, materials and evaluations. e-TEK bulletins are typically 2–4 pages in length.

### **NCMA e-Details:**

In addition, NCMA publishes over 220 technical details covering concrete masonry construction, using Annotated Design and Construction Details for Concrete Masonry. This may help reduce design and detailing time on your CMU projects. Both e-TEK and e-Details programs are accessible for free via our website at [www.yorkbuilding.com](http://www.yorkbuilding.com).

## LEAN ON US.

From the planning phase to final acceptance, we can help. We have experienced consultants who are ready to assist you in properly detailing and specifying our concrete masonry products.

Remember, the earlier you contact us, the more help we can offer. Involve us at the beginning of your project so you can achieve a more efficient specifying process and a higher quality end result.



Westinghouse Headquarters | Cranberry Twp., PA  
Gemstone® shown in Graphite



950 Smile Way, York, PA 17404  
800.673.2408 | yorkbuilding.com



AIA Central Pennsylvania

AIA IDC

AIA Virginia

NATIONAL  
**NCMA**  
CONCRETE MASONRY  
ASSOCIATION