

## "C - Brick" Masonry Units Specifications

### PART 1 - GENERAL

#### SUBMITTAL

Submit color samples for selection from manufacturer's group. Submit product literature, certifications, test reports and full size samples of each color that is specified.

#### QUALITY ASSURANCE

Certifications: "C - Brick"

**Masonry Units** shall comply with recommendations of the National Concrete Masonry Association, and conform to ASTM C90, for hollow and solid load bearing units. "C - Brick" Masonry Units shall be normal weight block, withstanding compression test loads of at least 3,000 psi for individual units, or 3,500 psi for an average of five units; basing load figures on the average net area of the blocks. Units shall meet or exceed requirements for ASTM C55-06e1. "C - Brick" Masonry Unit samples shall be submitted for establishing an approved color and texture.

#### WATER REPELLENT

All "C - Brick" Masonry Units shall be manufactured with Acme Shield Integral Water Repellent when used for exterior wall construction. Acme Shield shall comply with ASTM E514-74 for wind and rain resistance. Acme Shield Mortar Admix shall be incorporated with all mortar used in the installation of "C - Brick" and shall conform to ASTM E7-72-74 for bond strength to "C - Brick" Units.

#### RELATED INFORMATION

Fire Resistance: Hourly fire rating information, defined and required by NCMA TEK NOTES, available at [www.grandblancement.com](http://www.grandblancement.com).

Mortar: Type S Natural Gray mortar is recommended for all "C - Brick" Masonry Units.

### PART 2 - PRODUCTS

#### PRODUCT NAME

"C - Brick" Masonry Units

#### SIZES AND SHAPES

Hollow Units: 4 x 4 x 16, 6 x 4 x 16  
8 x 4 x 16, 10 x 4 x 16, 12 x 4 x 16  
Solid Units: 4 x 4 x 12, 4 x 4 x 16  
4 x 4 x 24  
Solid Wall Caps: 8 x 4 x 16  
12 x 4 x 16

#### MANUFACTURER

Grand Blanc Cement Products, Inc.  
10709 S. Center Road  
Grand Blanc, MI 48439  
P 800-875-7500 F 810-694-2995  
[www.grandblancementproducts.com](http://www.grandblancementproducts.com)

### PART 3 - EXECUTION

#### LAYING MASONRY WALLS

All "C - Brick" Masonry Units shall be drawn from more than one pallet at a time and must be laid using the best concrete masonry practices. Lay block with the faces level, plumb and true to the mason line strung horizontally at the finished side of the block. Both horizontal and vertical joints should be 3/8" on the finished side of the wall. Joints should be neatly and uniformly tooled after they are finger-hard. Cut pieces should be sized and placed properly to maintain bond and consistency.

#### INSTALLATION

Lighting: Always use adequate lighting for masonry work. For even and consistent illumination, always place lights at a reasonable distance from the wall. For best results, do not use trough lighting.

Cutting: Use the correct type of motor driven masonry saws to make all cuts, including those for bonding, holes, boxes etc. Use diamond or abrasive blades and make neat cuts to provide the best appearance.

### MORTAR BED & JOINTING

Units shall be laid with full mortar coverage on head and bed joints without blocking cores. All joints shall be tooled when finger-print hard into a concave shape. Remove mortar from the face of masonry before it sets. Tuck-point all joints of scored units for creating proper appearance. All exterior scored units must be tuck-pointed to prevent water penetration. **DO NOT RAKE JOINTS.**

#### FINAL CLEANING

During the installation process, walls should be kept as clean as possible by using brushes, sponges, etc. Never allow excess mortar or smears to harden on the finished surfaces of block. Avoid using harsh cleaning methods that will result in damaged or marred surfaces. Always pre-wet wall with potable water to avoid streaking of wall surface. Use individuals that are experienced in cleaning Decorative Masonry Units and clean finished walls with **Custom Masonry Cleaner** by PROSOCO. Manufacturer's instructions should be strictly followed for cleaning including a complete and thorough rinse. Permanent damage to the block could result if the exact instructions are not adhered to.

Note: Consult NCMA TEK NOTES regarding proper installation techniques for concrete masonry.



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