C-BRICK CONCRETE MASONRY UNITS

DESIGN WITH THE BEAUTY OF BRICK
WHILE BENEFITING FROM THE ECONOMY
AND FLEXIBILITY OF CONCRETE
MASONRY UNITS
PERFORMANCE & SUSTAINABILITY
C-Brick has the ability to perform with all the durable characteristics that a concrete masonry unit has to offer. The structural integrity of C-Brick allows designers to remain confident in the longevity and life cycle of any project. C-Brick is integrally colored, it is not just an applied face which is prone to fading over time.

ATTRACTIVE & ECONOMICAL
C-Brick Concrete Masonry Units offer a truly unique alternative to clay brick, while still providing an appealing brick-like appearance. C-Brick also allows customers to benefit from reduced costs in many ways by providing a concrete masonry unit that can function as a single-wythe wall instead of a veneer type wall.

DESIGN FLEXIBILITY
Whether designed as a veneer or a through the wall single-wythe load bearing wall system, C-Brick delivers amazing results. C-Brick can function as a finished wall surface on one or both faces, making it a superior choice for sound barriers, screen walls, or on buildings where the look of brick is required on both the interior and exterior walls. Refer to specifications on page 4 for ASTM requirements that are always exceeded with C-Brick manufactured by Grand Blanc Cement Products.
**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; basting 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 wwwgrandblanccement.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.
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**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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