



STANDARD MASONRY

STRUCTURAL CMU PRODUCT DATA SHEET



Innovative Concrete Solutions For Inspired Spaces™

DESCRIPTION

Austin Block + Hardscape manufactures structural and non-structural smooth concrete masonry units under the MiriBuild® MiriCore® brand family. The structural units conform to **ASTM C90** Specification for Loadbearing Masonry Units, Medium Weight. These units also comply with the latest editions of the International Building Code (IBC). The non-structural units conform to **ASTM C129** Specification for Nonloadbearing Concrete Masonry Units. Special order aggregates can be used to achieve different architectural effects, weights, or strengths.

Standard Gray Masonry block are unaltered precision blocks straight out of the dry cast mold. This style of block complements Smooth, Split Face, Shot Blast, and Burnish color CMU.

SAFETY

Always wear appropriate Personal Protective Equipment (PPE) including hard hats, steel-toe boots, safety glasses, gloves, and dust masks when working with this product. For comprehensive information on all hazards, please refer to the Austin Block + Hardscape® MiriBuild® MiriCore® Material Safety Data Sheet (MSDS).

TESTING DATA

Please see your Austin Block + Hardscape Sales Professional for the latest testing data.

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Austin Block
+ Hardscape®

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PART ONE - GENERAL | SUBMITTAL

Submit color samples for selection from manufacturer's group. Submit product literature, third-party certified test reports and full-size samples of each color specified.

PART ONE - GENERAL | QUALITY ASSURANCE

Certifications: Austin Block + Hardscape® MiriBuild® MiriCore® Standard Masonry shall comply with the recommendations of the National Concrete Masonry Association, and conform to ASTM C90, for hollow and solid load bearing units. A sample panel shall be constructed for approval of color and texture prior to erecting walls.

PART ONE - GENERAL | RELATED INFORMATION

Fire Resistance: Hourly fire rating information defined and required by NCMA TEK 7-01C which can be found at: <http://ncma-br.org> (Under the Tek then 7 Fire Resistance).

ASTM C90-16a: Standard Specification for Loadbearing Concrete Masonry Units.

ASTM E119: Standard Specification for Non-Loadbearing Concrete Masonry Units.

PART TWO - PRODUCTS | MIRICORE® STANDARD MASONRY UNIT - SIZES

Standard Gray Masonry is available for all 4-inch, 6-inch, 8-inch, 10-inch, 12-inch, and 24-inch color CMU products under the MiriBuild® brand.

PART TWO - PRODUCTS | MIRICORE® STANDARD MASONRY UNIT - MANUFACTURER

Austin Block + Hardscape, LLC.

7531 North IH-35

Georgetown, Texas 78626

PART THREE - EXECUTION | LAYING MASONRY WALLS

All Standard 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.

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PART THREE - EXECUTION | INSTALLATION

Always use adequate lighting for masonry work to ensure even and consistent illumination. Place lights at a reasonable distance from the wall, avoiding trough lighting for the best results. When cutting, utilize the correct type of motor-driven masonry saws for all cuts, including those for bonding, holes, and boxes. Use diamond or abrasive blades and make neat cuts to provide the best appearance.

PART THREE - EXECUTION | 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. 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.

PART THREE - EXECUTION | FINAL CLEANING

First, cut out defective mortar joints and holes in exposed masonry and re-point them with mortar. Then, clean a sample wall panel using an approved cleaner, proceeding with the cleaning only after the sample panel has been approved by the Architect. Clean architectural concrete masonry following the recommendations of both the masonry manufacturer and the proprietary cleaning product manufacturer. After cleaning, allow the units to dry completely for several days. When specified, apply a sealer recommended by Austin Block + Hardscape for the chosen color(s).

PART THREE - EXECUTION | FIELD COAT APPLICATION

Please refer to the sealer manufacturer's recommendation for application of product. Airless spraying is always the preferred method. It is recommended that an experienced painting contractor apply the field coats of sealant. Manufacturer will provide the name of sealant used on each job upon request and reserves the right to change brands at its sole discretion. It is crucial to note that different sealers are recommended from the manufacturer for different colors due to possible discoloration of lighter pigments. Ask your ABH Sales Representative for more information about recommended sealers.



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