



Description:

Capitol Products Inc. manufactures structural and non-structural smooth concrete masonry units. 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, and strengths. All blocks are run on a per job basis and are available with a four to six week lead time. Minimum quantity production order may be required.

Smooth blocks are unaltered precision blocks straight out of the dry cast mold. This style of block complements both Split-Face and Gemstone units. Smooth block only exposes the colored pigments and not the aggregates. This process also allows for us to have the most control of the final color of the block as there is no alteration to the face of the units.

Color:

Granular pigments for colored concrete are designed to be used specifically in cementitious materials. Capitol Products utilizes such color pigments that are certified ASTM C979 for integral coloring. These pigments allows for a wide range of colors. The pigments are only a part of the color spectrum we offer as the aggregates used in manufacturing the concrete masonry units will also impact the final color. Custom color matching is also available in certain circumstances. Below is a list of colors available in Burnish.

Austin Limestone, Brownwood, Coal, Coral, Dim Gray, Misty Rosa, Pink Ruby, Rustic Capitol, Saddle Brown, Sandy Brown, Sea Shell, Sienna, Silver, Wester Gold, Wheat, Platinum, Carbon, (Regular Grey – No Color Added)

Safety:

Always wear proper PPE such as hard hats, steel toes boots, safety glasses, gloves and dust masks when working with this product. Please refer to MSDS for all hazards.

Usage:

8" x 2.25" x 16"



4" x 8" x 16" Solid



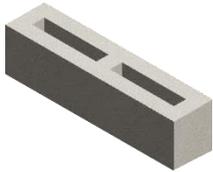
8" x 8" x 16" Solid



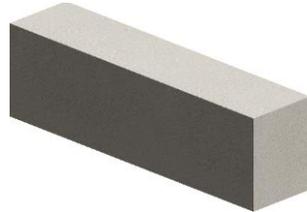
16" x 4" x 16" Trailer Pads



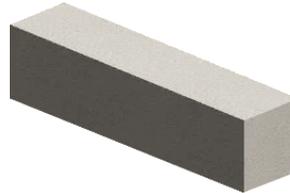
4" x 4" x 16"



4" x 12" x 24"



4" x 8" x 24"



4" x 4" x 24"



4" x 8" x 16"



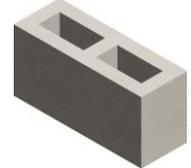
4" x 8" x 8"



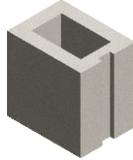
4" x 8" x 16"



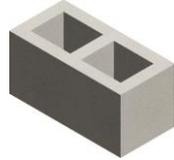
6" x 8" x 16"



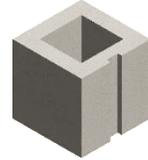
6" x 8" x 8"



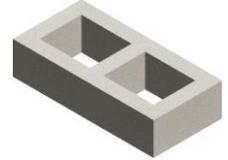
8" x 8" x 16"



8" x 8" x 8"



8" x 4" x 16"



8" x 8" x 16" Single Bull Nose



8" x 8" x 8" Halves Single Bull Nose



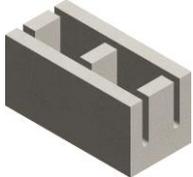
8" x 8" x 16" Double Bullnose



8" x 8" x 8" Halves Double Bull Nose



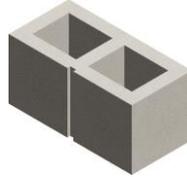
8" x 8" x 16" Knock Out Bond Beam



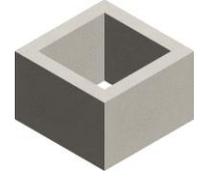
8" x 8" x 16" Solid Bottom Lintel Bond Beams



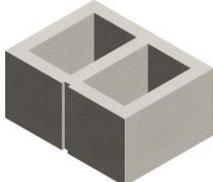
8" x 8" x 16" Single Score



12" x 8" x 12" Pilaster



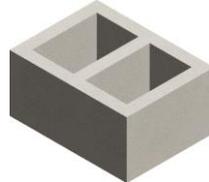
12" x 8" x 16" Single Score



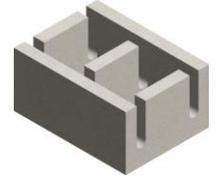
12" x 8" x 16" Solid Bottom Bond Beam



12" x 8" x 16"



12" x 8" x 16" Knockout Bond Beam



Technical Data:

	Avg Compressive Strength	Avg Absorption	Avg Density	Equivalent Web Thickness	Avg Faceshell	Equivalent Thickness	Fire Rating	Actual Size
4x8x16	2,630 psi	10.59 pcf	119.55 pcf	2.34 in.	1.02 in.	2.66 in.	1 Hour	3 5/8" x 7 5/8" x 15 5/8"
6x8x16	3,860 psi	11.03 pcf	123.72 pcf	2.38 in.	1.04 in.	2.90 in.	1 Hour	5 5/8" x 7 5/8" x 15 5/8"
8x8x16	3,307 psi	11.09 pcf	118.91 pcf	2.75 in.	1.28 in.	3.90 in.	1 3/4 Hour	7 5/8" x 7 5/8" x 15 5/8"
12x8x16	3,073 psi	10.49 pcf	119.70 pcf	2.94 in.	1.28 in.	5.02 in.	3 Hour	11 5/8" x 7 5/8" x 15 5/8"

All color Smooth Block has Eucon Blocktite integral water repellent except for the Regular Grey.

Eucon Blocktite can be added to Regular Grey upon request only.

PART 1 – 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.

QUALITY ASSURANCE

Certifications: Smooth concrete masonry units 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. All faces of units shall be ground to a depth sufficient to uniformly expose the aggregates.

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.

PART 2 – PRODUCTS

Smooth Concrete Masonry unit

Austin Limestone, Brownwood, Coal, Coral, Dim Gray, Misty Rosa, Pink Ruby, Rustic Capitol, Saddle Brown, Sandy Brown, Sea Shell, Sienna, Silver, Wester Gold, Wheat, Platinum, Carbon, (Regular Grey – No Color Added)

SIZES

4x8x16, 4x8x8, 4x4x16, 4x8x24, 4x12x24, 6x8x16, 6x8x8, 8x8x16, 8x4x16, 8x8x8, 12x8x16, 4x16x16

MANUFACTURER

Capitol Products Inc.:
7531 North IH 35, Jarrell, TX 76537
(512) 863-9967

PART 3 – EXECUTION

LAYING MASONRY WALLS

All Smooth 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

- A. Cut out defective mortar joints and holes in exposed masonry and re-point with mortar.
- B. Clean a sample wall panel with approved cleaner. Only proceed with cleaning after sample panel has been approved by the Architect.
- C. Clean architectural concrete masonry in accordance with the masonry manufacturer's and the proprietary cleaning product manufacturer's recommendations.
- D. After cleaning, allow units to completely dry for days and when specified, apply a sealer that is recommended by Capitol Products Inc. for the color(s) that has been chosen.

FIELD COAT APPLICATION

Apply two even coats of sealant, making sure the mortar joints are thoroughly covered. Airless spraying is always the preferred method. It is recommended that an experienced painting contractor apply the field coats of sealant. Follow the directions from the sealer manufacturer. It is crucial to note that different sealers are recommended from the manufacturer for different colors due to possible discoloration of lighter pigments. Future maintenance should only require normal cleaning for Interior Smooth masonry. Exterior Smooth masonry may require another coat of sealant after 10-15 years of weathering.

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

Revision Date: 07/16/2017

This revision will replace and supersede any previous product data sheets.