

Product Data Sheet

PRODUCT NAME

Smooth Concrete Masonry Unit

MANUFACTURER

Block-Lite Co. Inc.
3900 E. Industrial Drive
Flagstaff, AZ 86004
P. (928) 526-1118
F. (928) 433-4200

PART 1 - GENERAL

SUBMITTAL

Submit color samples for selection from manufacturer's offering. Submit product data sheet, certifications, and sample(s) of each product type specified.

QUALITY ASSURANCE

Certifications:

Concrete blocks for finishing shall conform to ASTM C90-14.

Block-Lite products offer high thermal mass properties, regional materials and low life-cycle costs, mold resistance and will last the life of the building.

All units are available in a wide color selection. Smooth units are ideal for interior and exterior applications. The structural integrity of these units results in a one step single trade installation process.

Fire Resistance:

Define hourly rating required by CMHA TEK Notes, available at; <https://www.cmha.org/technical-resources/?IDSponsor=11>

Field Construction Mock-ups:

Construct a sample panel, no less than 4'x4', of each color and size of the material to be used in the project. A full-size unit is preferred to illustrate color and texture for approval. Manufacturers recommend

a sample panel be installed at the jobsite prior to installation of any Block-Lite product. This panel will represent both the quality and the color range of the product and the workmanship to be expected for the project. Either the Owner or the Architect should approve the panel.

DELIVERY, STORAGE AND HANDLING

Block-Lite concrete masonry units shall be delivered to the jobsite. Store pallets in single stacks on level ground and cover with waterproof covering. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

PROJECT/SITE CONDITIONS

Protection of Work: Cover walls each day after installation to keep open walls protected and dry. After units are installed; they should be protected from damage by other trades performing operations that can stain or otherwise damage the finished surfaces by covering walls with plastic. Corners should be protected from damage after installation.

PART 2 – PRODUCTS

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RELATED MATERIALS

A variety of Spec Mix mortars are available from Block-Lite. consult the manufacturer for types, colors, and specifications.

SIZES AND SHAPES

For non-structural units, true 1". and nominal 2" and 4" veneer are available.

For structural units, nominal 6", 8", 10", 12", and 16" widths.

Nominal 8" high and 16" long units. Half units and half high units available. High-strength units for special structural requirements can be manufactured upon request.

MASONRY CLEANERS

Carefully follow manufacturer's instructions. We recommend Prosoco's Sure Klean Custom Masonry Cleaner for most of all architectural CMU. Follow all safety and environmental regulations. For more detailed information on cleaners and cleaning methods please visit;

Cleaners:

<https://prosoco.com/products/hard-surface-care/cleaners-sure-klean/>

Cleaning Methods:

<https://www.cmha.org/technical-resources/?IDSponsor=11>

PART 3 - EXECUTION

INSTALLATION

Laying Masonry Walls:

Draw blocks from more than one pallet at a time during installation. Lay units using the best concrete masonry practices. Install only quality units; reject all defective units as defined by ASTM C90. Lay blocks with the faces level, plumb and true to the line strung horizontally at the finished face. Units shall have uniform, 3/8"-wide joints both horizontally and vertically on the finished side of the wall. Tool joints neatly after they are thumb print hard. Make them straight and uniform. Size and place cut pieces appropriately to maintain consistency and bond. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

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Lighting:

Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use direct lighting.

Cutting:

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

Mortar Bedding and Jointing:

1. 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.
2. Tool all mortar joints, when thumbprint hard, into a concave configuration.
3. Care should be taken to remove mortar from the face of masonry units before it sets.
4. Tuckpoint the joints for proper appearance. No rake joints for exterior applications. Concave joints recommended for weathering surfaces.

Weep Holes and Vents:

Install weep holes and vents at proper intervals at courses above grade and at any water stops over windows, doors and beams.

Inspection:

The textured faces shall conform to the requirements of ASTM C90 when viewed from a distance of twenty

(20) feet 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 the surface of the blocks. Perform final cleaning of the completed walls with Prosoco's Sure Klean Custom Masonry Cleaner, strictly following the manufacturer's Instructions including thorough rinsing. Failure to follow manufacturer's instructions can result in permanent damage to the finished faces. Do not high-pressure power wash. High-pressure power washing may cause efflorescence.

MAINTENANCE

Block-Lite's Smooth concrete masonry units, when properly installed, require minimal maintenance, only routine cleaning.

Limitations:

- The facing is not intended for use as an impervious surface
- Acid solutions and HCL acid based cleaners should not be used as a cleaning agent or in direct contact with the facing.
- Concrete Masonry Sealers are strongly recommended with Block-Lite masonry units

Limited Product Warranty

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with the manufacturer's instructions. This product is not warranted as suitable for any purpose other

than the general purpose for which it is intended. This warranty runs for one (1) year from the date the product was purchased. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE DURATION OF THIS WARRANTY. Liability under this warranty is limited to replacement of defective products or, at the manufacturer's option, refund of the purchase price. CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.