

Product Data Sheet

PRODUCT NAME

Precision Concrete Masonry Units

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 color specified.

QUALITY ASSURANCE

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

Units may contain pre-consumer and post-consumer recycled content. Contact your Block-Lite sales representative for details.

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. In addition, custom colors can be provided. Factory Precision 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 ratings required by NCMA TEK Notes, available at www.ncma.org.

Field Constructed Mock-Ups:

Construct a sample panel, no less than 4' x 4', of each color and size units to be used in the project.

A full size unit is preferred to illustrate color and texture for

approval. Manufacturer requires 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 architect for the project must 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 (e.g., tarpaulins) to protect the blocks from inclement weather. 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

PRODUCT NAME

Ground Face Concrete Masonry Units

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RELATED MATERIALS

Colored matching or contrasting mortar is available from Block-Lite. Consult the manufacturer at



www.block-lite.com for mortar type, colors available, and specifications.

SIZES AND SHAPES

- Nominal 2", 4", 6", 8", 10" and 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 and over-sized units are also available.

MASONRY CLEANERS

Carefully follow manufacturer's instructions, use EaCo Chem NMD80 Cleaner. Do not high pressure power-wash. Light sand blast method is acceptable as well. Follow all safety and environmental regulations. Sample cleaning on test panel recommended for final approval of the best method for that texture.

PART 3 - EXECUTION

LAYING MASONRY WALLS

Draw blocks from more than one pallet at a time during installation. Refer to NCMA TEK Notes, available at www.ncma.org, for Hot and Cold weather construction practices.

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

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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.

INSTALLATION

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.

FLASHING OF MASONRY WORK
Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices.

Consult NCMA TEK Notes, available at www.ncma.org, for additional flashing information.

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.

FINAL CLEANDOWN

Clean the completed walls with EaCo Chem NMD80 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. (Maximum psi is 50.)

Light sand blast method is acceptable. Follow all safety and environmental regulations.

MAINTENANCE

Block-Lite Precision concrete masonry units, properly installed and cleaned, need virtually no maintenance other than routine cleaning. For tough stains, contact manufacturer for specific cleaning recommendations.



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.
- Integral water repellents and or Concrete Masonry Sealers are strongly recommended with Block-Lite concrete 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 product or, at the manufacturer's option, refund of the purchase price. **CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY.**