

Precision Block

CSI SECTION 04 22 00 • MASONRY UNITS



PRODUCT DESCRIPTION

Precision block features a smooth, uniform finish produced by manufacturing the block in steel molds. The smooth surface is ideal for painted applications, veneer substrates, and anywhere a clean, consistent appearance is desired.

APPLICABLE STANDARDS

- ASTM C90 — Load Bearing CMU
- ASTM C150 — Type II/V Cement
- ASTM C331 — Lightweight Aggregates
- ASTM C140 — Sampling and Testing

FIRE RESISTANCE

Please refer to NCMA ETEK notes for hourly ratings requirement. www.ncma.com

Manufacturer: Cind-R-Lite Block Company, Inc.
4745 Mitchell St, North Las Vegas, NV 89081
(702) 651-1550 • sales@cind-r-lite.com

AVAILABLE SIZES

| WIDTH | HEIGHT | LENGTH | WEIGHT (APPROX.) |
|-------|--------|--------|------------------|
| 4" | 8" | 16" | 26 lbs |
| 6" | 8" | 16" | 32 lbs |
| 8" | 8" | 16" | 38 lbs |
| 10" | 8" | 16" | 43 lbs |
| 12" | 8" | 16" | 50 lbs |

4", 6" and 8" high, 16" long units. Half units available. See Shapes & Sizes Guide for full listing.

PHYSICAL PROPERTIES

| PROPERTY | SPECIFICATION | TYPICAL VALUE |
|----------------------|---------------------------|--------------------------|
| Compressive Strength | 1900 psi min (net) | 2000+ psi |
| Absorption | 17 lb/ft ³ max | 12-14 lb/ft ³ |
| Linear Shrinkage | 0.065% max | 0.03% |
| Density | Medium Weight (MW) | 105-125 pcf |

STANDARD COLORS



10 additional special order colors available. See Color Guide for full palette.

QUALITY ASSURANCE

- Block manufactured shall conform to the finish requirements of ASTM C90-08
- Submit color samples for selection from manufacturer's offering
- Submit product data sheet and sample(s) of each color specified
- Test reports available upon request

DELIVERY, STORAGE & HANDLING

CMU (concrete masonry units) shall be delivered to the jobsite. Store pallets in single stacks on level ground and cover with waterproof covering 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 the finished surfaces by covering walls.

FIELD CONSTRUCTION MOCK-UPS

Construct a sample panel of each color to be used on the project. Wall should be no less than 4' x 4'. Cind-R-Lite suggests using full size units to give proper representation of product. Sample wall should be installed prior to any installation of Cind-R-Lite products. Either the owner or architect must approve the panel.

LAYING MASONRY WALLS

When installing pull blocks from more than one pallet at a time during installation. Refer to NCMA TEK notes for Hot and Cold Weather construction practices at www.ncma.org.

Lay units using the best concrete masonry practices. Lay blocks with 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.

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, and boxes, etc., with motor-driven masonry saws, using either an abrasive or diamond blade. Cut neatly and locate for best appearance.

MORTAR BEDDING & 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 installation.
2. Tool and 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.

FLASHING, WEEP HOLES & VENTS

Install flashing at locations shown in the plans and in accordance with the best masonry flashing practices. Install weep holes and vents at proper intervals at courses above grade and at any water stops over windows, doors, and beams.

INSPECTION

The finished faces shall conform to the requirements of ASTM C90 when viewed from a distance of twenty (20) feet to the wall.

CLEANING & MAINTENANCE

Keep walls daily during installation using brushes. Do not allow excess mortar to harden on the finished surface. Do not high-pressure wash. This may cause efflorescence.

When properly installed, Cind-R-Lite CMU need virtually no maintenance other than routine cleaning.

LIMITATIONS

- Face of block is not intended for use as an impervious surface
- Integral water repellents are recommended with Cind-R-Lite CMU

LIMITED PRODUCT WARRANTY

The manufacturer warrants that this product shall be of merchantable quality when used or applied in accordance with local building codes and best concrete masonry practices. This warranty runs for one (1) year from the date the product was purchased. Liability 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.