

## INFORMATION & SPECIFICATIONS

# VariSmooth

## Integrally Colored Concrete Masonry Units (CMU)

**Smooth Faced**  
**Integrally Colored**  
**Concrete Masonry Units**  
**offer an economical**  
**design solution for full**  
**faced single wythe**  
**construction.**



1235 Hoyt SE  
Grand Rapids, MI 49507  
Phone 616-241-4461  
Toll Free 1-800-577-2424  
www.micertconcrete.com  
sales@micertconcrete.com

- All units will conform to ASTM C-90. Weight Classification: Normal Weight.
- Scoring (See scoring specification sheet for more details)
- Sizes: Manufacturer's Standard Nominal Sizes
- Colors: Select from manufacturer's standard colors
- Integral Water Repellants: Strongly recommended.  
Basis of Design Acme Armor by Cargill — link

Integral Water Repellent; Manufacturer should provide certification that CMU meet ASTM E514 "Water Presence of Concrete Block Wall". CMU must comply with NCMA TEK 19-7 spray bar criteria. Liquid Water Repellent additive compatible with IWR used in the manufacturing of the CMU must be used in the mortar. Acme Shield by Cargill link. Use of other non approved products will void any product warranty.

### 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 ground 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 finger-hard to 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.

Lighting: Provide adequate lighting for masonry work by placing all lighting at a reasonable distance from the wall for even illumination. Do not use trough 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 of scored units for proper appearance. All exterior scored units must be tuckpointed to prevent water penetration. **NO RAKE JOINTS.**
- 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.
- 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: Masonry faces shall conform to the requirements of ASTM C90 when viewed from a distance of twenty (20) feet at right angles to the wall with normal lighting.
- Cleaning: Use Prosoco – Custom Masonry Cleaner® in strict accordance with manufacturer's instructions. Do not use any product containing muriatic acid or other acids.  
<http://www.prosoco.com/Products/524a29f0-08e4-469f-bf1c-56d0827a9964>
- Post Applied Water Repellent: Should the Design Professional request additional protection, the Post Applied Water Repellent must be supplied by the Concrete Masonry Units (CMU) manufacturer to assure compatibility with the integral water repellent and Field Applied Sealer.
- Maintenance: Properly installed and cleaned units need little maintenance other than routine cleaning. Please refer to the Prosoco link of masonry products.  
<http://www.prosoco.com/Products/524a29f0-08e4-469f-bf1c-56d0827a9964>