



PRODUCT DATA:
DIVISION 4 – CONCRETE MASONRY UNIT
Insulated CMU

In the ever-changing world of buildings requiring greater energy efficiencies, EP Henry is proud to offer the InsulBlock to meet these challenges.

InsulBlock by EP Henry is the solution for a cost-effective wall system to meet your building envelope code requirements, while maintaining the versatility that cmu construction has to offer.



What is so unique about InsulBlock?

InsulBlock is a single wythe cmu wall system specifically designed to disrupt thermal bridging; an issue often associated with traditional cmu wall construction. The ingenious offset cross web design of the InsulBlock creates a physical thermal offset on the interior of the cmu which constricts the loss of heat or cooling. Each empty core of the InsulBlock receives an insulating, polystyrene unit during construction, which also doubles as a space for structural reinforcement or a pipe chase. The overlapping insulation units create a seamless barrier to meet the most stringent code requirements nationwide.



Insulation & Thermal Performance

ENERGY EFFICIENCY: Effective R-Values

- 8" block = **R- 10.88** rating -Effective R-Value
- 12" block = **R- 16.64** rating – Effective R-Value

*Analysis was conducted by Clemson University in 2021 using the 2D and 3D Finite Element Thermal Modeling, as established by the latest edition of the IECC.

Colors and Textures

InsulBlock come in a variety of textures and colors to compliment any project. Significant benefits of designing with cmu are its versatility of colors and textures; other attributes are for its adaptability of design and durability. EP Henry offers four textures including Smooth Face, Rock Face (split), Decro Face (blasted) and Burnished Face (ground).

Please visit ephenry.com for a complete list of colors offered

8" Block Design

- 7 5/8" x 7 5/8" x 15 5/8" standard concrete masonry unit (CMU)
- Offset and constricted cross webs eliminate a direct line thermal bridge
- Cells are individually filled with uniformly molded Expanded Polystyrene insulation inserts
- Small cell designed for optional reinforcement bar and grout
- Fire resistant to 2 hours



Shown here: 8x8x16" InsulBlock Stretcher CMU in Ground Face color 500R

12" Block Design

- 11 5/8" x 7 5/8" x 15 5/8" standard concrete masonry unit (CMU)
- Offset and constricted cross webs eliminate a direct line thermal bridge
- Cells are individually filled with uniformly molded EPS insulation
- Fire resistant to 3 hours
- Small cell design for optional reinforcement bar and grout



Shown here: 12x8x16" InsulBlock Stretcher CMU in Rock Face color 500R

Expanded Polystyrene Foam Inserts

- Uniformly molded expanded polystyrene
- R-4 per inch at 1 lb. density
- Recyclable
- Non-toxic
- CFC free
- No “out gassing”
- No formaldehyde
- Strategically notched so there is no interference with mortar when inserted into a block course

