

Company Overview

PolycreteUSA, LLC is a Service Disabled Veteran-Owned Business headquartered in Central Virginia. The company supplies a commercial grade insulated concrete form (ICF) system for constructing highly energy efficient structures. Economical substitute for CMU, steel studs, traditional cast-in-place concrete. Best for BEQ/BOQ, laboratories, classrooms, office buildings, data centers, medical & child care centers.

NEW UNBREAKABLE AND GREEN SYSTEM

Insulated Concrete Forms (ICF) are forms for poured concrete walls that stay in place permanently and serve as thermal and acoustic insulation. The Polycrete® Big Block™ ICF system brings a revolutionary solution with its safety, performance and fast installation. Patented improvement on a proven technology. A steel wiremesh reinforcement within the expanded polystyrene (EPS) makes it the strongest ICF available. Horizontal steel fastening strip on 12" centers simplifies your design.

The Polycrete® Big Block™ is the largest ICF available, 96" x 24" a full 16 sq. ft. make it the fastest ICF to install, and that saves you time and money. Green technology inspired, this form contains 66% recycled raw materials and contributes to 35 LEED points. Typical 6" wall easily achieves R26 which means up to 40% less heating and air conditioning cost.

Features and Benefits

- Designed for commercial, industrial and residential buildings
- Permanent insulating formwork
- Will not blow out
- Structural wall, insulation & interior framing all in one easy step
- Installs faster than CMU, steel studs, traditional cast-in-place or any other ICF
- Accepts all exterior siding types
- Great acoustic insulation
- Installs with less labor and equipment
- Folds flat for economical shipping
- Steel wire (.16") crossies won't impede flow of concrete
- No limit in design, height or thickness of wall

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Product Specifications

-- 5 5/8 Concrete Walls --

- Thermal efficiency: R22
- Soundproofing: STC 52
- Fire resistance: 4 hours
- Type II Expanded Polystyrene
- 1.5" x 22 gauge fastening strip
- Fastening strip on 12" centers
- Lateral strength: 1,600 lbs/ SF
- Coverage per block: 16 SF
- Product Life: 100+ years
- Packaging: 16 per bundle

Available Sizes

Block height: 24", 18", 12"
Block length: 96"
EPS Thickness: 2 1/2" or 1 3/4"

Concrete Thickness:

- 5 5/8"
- 7 5/8"
- 9 5/8"
- 11 5/8"
- Custom sizes up to 24"



Customers:

Army, Navy, Air Force, NASA, Veterans Administration, all other Federal and state government agencies, private sector.