

# Consulwal™

## Consulwal ICF Blocks



INSULATED  
CONCRETE FORM  
TECHNOLOGY

### Reworking insulated concrete wall construction

Architects, designers, and contractors are using insulated concrete form (ICF) technology to deliver secure, sustainable buildings.

Consulwal ICF blocks let you work faster, more efficiently, with less waste than traditional concrete walls or block construction, they use 25% less concrete to make walls up to 50% stronger.

# WHY CONSULWAL ICF?

This is the faster alternative for higher-quality construction. Specifiers are switching to Consulwal for four main reasons:

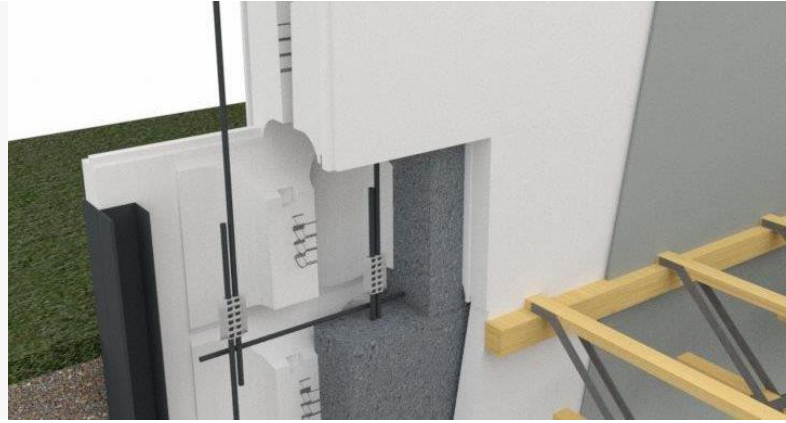


## Faster

Consulwal units are easy to assemble and install to the correct height. They need less skilled labour and no stripping or cleaning, which leads to significant time savings on-site. ICF walls are typically built 50% faster than traditionally formed walls, and 75% faster than those with concrete blocks.

## Durable

The steel reinforced concrete core in an ICF resists fire, hurricanes, tornadoes, even earthquakes. As extreme weather events become more common, buildings with Consulwal can be engineered to meet the most demanding local conditions.



## Comfortable

ICF's foam and concrete construction, blocks drafts and stops mould. In cold climates, occupants feel the benefit of a steadier temperature that's easier to control. Consulwal units also provide impressive protection from outside noise pollution.

## Sustainable

Homes built with ICFs achieve lower energy costs, as Consulwal's continuous insulation and airtight thermal mass give you industry-leading energy efficiency, at a time when greener construction is vital.



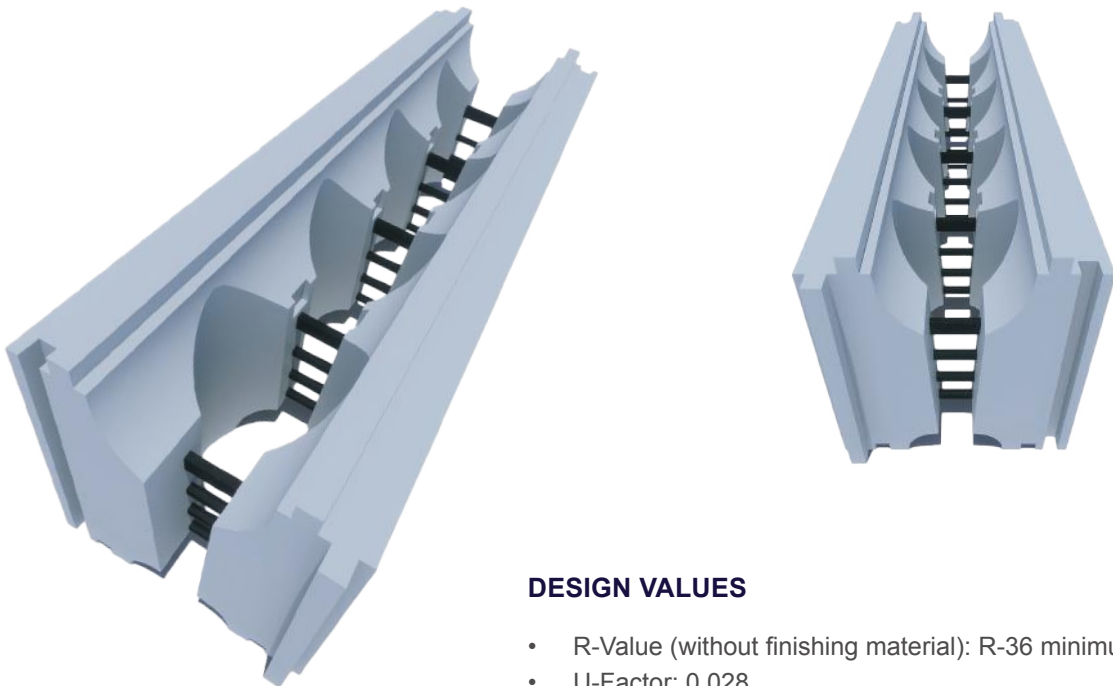
# Working with Consulwal

Most building projects using ICF blocks can be completed with only basic skills using standard tools. Plumbing and wiring are easily cut into the form, again with only basic tools needed.

ICFs pack six construction steps into one process:

1. Air barrier
2. Concrete
3. Furring strips
4. Insulation
5. Steel reinforcement
6. Vapor barrier

Consulwal accepts any common finishing material like brick, stucco, drywall, and aluminium or wood siding.



## SPECIFICATIONS

- Face: 5.33ft<sup>2</sup>
- Length: 48"
- Height: 16"
- Width: 11.25"/13.25"
- Weight: ~5lbs

## CONCRETE VOLUMES PER UNIT

- 6" wall: 0.0569m<sup>3</sup> (0.077 cu. yd.)
- 8" wall: 0.0759m<sup>3</sup> (0.099 cu. yd.)

## DESIGN VALUES

- R-Value (without finishing material): R-36 minimum
- U-Factor: 0.028
- K-Factor: 0.242-0.243
- Water absorption: 0.03lbs/ft<sup>2</sup>
- Vapor transmission: 3gm/24hr/100sq.in.
- Concrete compressive strength: 3500psi at 28 days
- Sound transmission class: >53 with 0.5" drywall
- Fire rating: 2 hours with 5/8" Type X Gypsum Board

# Adapt to the future of construction

Consulwal ICF technology is unlocking great new benefits for designers, developers, contractors, and homeowners. In cold climates like Canada, it represents the next step in sustainable building.



Talk to us about switching to a faster, greener, better way of working.



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