

## SmartWall Systems® - High Performance Masonry

SmartWall is a concrete masonry wall system which outperforms other building wall systems

- Ease of construction
  - Up to 40% less weight compared to heavy CMU
  - Less mason fatigue
  - Fewer injuries
  - Lower Labor Costs
- Lighter weight
  - walls are more structurally efficient
- Energy efficiency
  - Over the long term, heating and air conditioning costs are substantially less

<b>R-Values For Concrete Masonry Walls (1) (Exposed Both Sides)</b>				
<b>Unit Size</b>	<b>Concrete Unit Weight lbs/ cubic ft</b>	<b>Cores Empty</b>	<b>With Core Inserts</b>	<b>Cores Filled With Perlite</b>
8x8x16"	SmartWall (2)	2.5	4.0	6.6
	Heavy CMU's (3)	1.9	2.6	3.2
12x8x16"	SmartWall (2)	1.7	4.4	9.5
	Heavy CMU's (3)	2	2.7	4.4

(1) R-Values are mid-range per NCMA TEK 6.1A & 6.2A. R in (h\*ft<sup>2</sup>\*degrees F)

(2) SmartWall @ 90 lbs/cubic ft

(3) Heavy CMU's at 135 lbs/cubic ft

- Maintenance
- Appearance
  - Variety of colors
  - Shapes
  - Standard Textures
  - Less chipping
  - Uniformity
- Exceptional Fire Ratings
- Durability and strength
- Low sound transmission