
DuraFiber® FRP Buildings

A SUPERIOR SOLUTION
OVER CONCRETE (CMU) BLOCK



QUICK TO INSTALL • SUPER STRONG • LIGHTWEIGHT • INSULATED

DuraFiber buildings are made with high-performance Fiber-Reinforced Polymer.

The tensile strength of our FRP laminates is similar to steel, though not as stiff. Extremely high wall stiffness is achieved with the molding of structural webs and foam cores between two FRP laminate skins, creating a continuous series of integral I-beams that can withstand significant loads.



Call **(844) 795-9568** or visit **orenco.composites.com** for more information.

DURAFIBER VS. CONCRETE BLOCK?

	FRP BUILDINGS	CMU BUILDING
Cost of Ownership	<p>Lower cost Costs less up front with little to no ongoing costs.</p>	<p>Ongoing costs Routine maintenance may drive up ownership costs.</p>
Installation	<p>Typically installs in a half day or less FRP buildings install quickly and efficiently, taking a fraction of the time it takes to put up a CMU building.</p>	<p>Time-consuming on-site construction Building with CMU blocks can be time-consuming, requiring costly skilled masons and detailed work.</p>
Insulation Properties	<p>R18 insulation value DuraFiber buildings feature a minimum R18 insulation value, offering greater ability for climate control and energy efficiency.</p>	<p>R2 insulation value CMU blocks insulate poorly and generally require additional insulation for temperature control.</p>
Corrosion and Moisture Resistance	<p>Corrosion and moisture resistance FRP has inherent corrosion resistance. Plus, the roof and walls are integrated into the building's construction, leaving no seams. They won't rust, absorb water, or rot.</p>	<p>Additional steps needed for sealing CMU buildings are porous and typically have cold joints and seams in the roof and walls, which can absorb moisture, leading to water damage.</p>
Modifications	<p>Field Modifiable Pipe penetrations and equipment can be added anywhere to the building, either at the factory or in the field.</p>	<p>Limited modifications Typically requires coring and may be limited on where equipment can be attached. Requires tradespeople to complete work at the job site.</p>
Aesthetics	<p>Clean finish FRP buildings, which can be painted any color, have a nicer-looking outdoor finish. Inside, the finish is bright white and smooth, evoking warmth.</p>	<p>Rough finish CMU block buildings feel damp, dark, and cold.</p>
Cleaning	<p>Easy to clean The buildings can be easily cleaned with a pressure washer, soap, and water.</p>	<p>Harder to clean CMU buildings requires low-pressure spray and soft-fibered brushes, as abrasive cleaners can damage the blocks.</p>
Maintenance	<p>Virtually maintenance free Because FRP buildings have no seams to leak or crack, they require little ongoing maintenance.</p>	<p>Require monitoring and maintenance CMU buildings require regular inspection of seams and joints, damage repair, and maintenance, like adding sealers to prevent weather damage.</p>
Weight	<p>Fraction of the weight of CMU block DuraFiber buildings are lightweight structures capable of withstanding significant loads and providing long-term durability.</p>	<p>4x-5x heavier than FRP CMU block buildings are heavy and require strong foundations with increased structural support.</p>

KEY BENEFITS

COSTS LESS

DuraFiber buildings cost less and require very little maintenance, which saves on the lifetime costs of a building.

FASTER INSTALL

DuraFiber buildings install quickly and efficiently, taking a fraction of the time it takes to put up a CMU building.

BETTER INSULATION

DuraFiber buildings feature a minimum R18 insulation value, offering greater ability for climate control and energy efficiency.



APPLICATIONS

- Buildings
- Chemical distribution and storage systems
- Booster pump stations
- Motor control centers
- Lift stations
- Process automation

FACTORY INSTALLED EQUIPMENT

DuraFiber buildings can have HVAC, electrical components, and other special features factory-installed before delivery, reducing installation time on site.

UV STABLE FINISH WITH COLOR OPTIONS

DuraFiber buildings include UV-stable finishes. Orenco's single-component coating protects from long-term UV exposure. Plus, the buildings can be painted any color.

10 YEAR WARRANTY

Orenco Composites offers a 10-year warranty on its DuraFiber buildings, which have a long life expectancy.



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LEADERS IN FIBERGLASS COMPOSITE MANUFACTURING



ABOUT US

Orenco Composites is a division of Orenco Systems®, Inc., headquartered in Oregon, USA. Orenco has been manufacturing strong, water-resistant fiberglass products for more than 30 years; our company's engineers are nationally recognized experts in the fields of fiberglass product development and manufacturing. Research, design, product development, and sales support are handled out of our 26-acre (10.5-hectare) facility in Sutherlin, Oregon. Our three state-of-the-art production facilities include over 400,000 square feet (37,000 square meters) of manufacturing space.

OUR BUSINESS PARTNERS

We manufacture FRP products, including buildings, tanks, basins, and covers, for some of the largest industry OEMs as well as dozens of utilities and municipalities.



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