

A large, modern, two-story house with a garage, set against a blue sky with clouds. The house has a mix of grey stucco and stone accents. The text "Help conventional framing perform better and last longer" is overlaid in white, bold, sans-serif font across the middle of the image.

# Help conventional framing perform better and last longer

## Megaacrete Power Panel

### Resilient Insulated Exterior Wall Cladding

Megaacrete Power Panel upgrades standard wood-framed and metal-framed buildings with a tough and insulated exterior wall cladding that is highly resistant to fire, moisture, pests, as well as damage from impact and windstorms. These autoclaved aerated concrete (AAC) panels provide a solid substrate for attaching modern stucco and thin masonry veneer finish systems without the need for a metal lath. Power Panel makes conventional framed buildings install faster, perform better, last longer, and provide owners with higher long-term value.

#### Higher Performance is Built In

Conventional framing can be cost-effective in the short run but has long been known for its limitations in performance and durability over time which impacts owner value considerably.

Energy codes recognize that putting insulation in wall cavities is not efficient due to the thermal bridging caused by the wood and metal stud members where 25% or more of the wall surface area has no insulation. Power Panel helps to solve this by providing a continuous layer of insulation on the outside of the framing which adds to the overall energy efficiency of the building.

Comfort is a high priority today for building occupants who want quieter and more pleasant indoor spaces. Power Panel offers better noise reduction and does a better job of insulating interior spaces from both conductive and radiant heat compared to conventional sheathing which makes for a more pleasant indoor environment.

Framed walls are also highly vulnerable to fire which make **fire safety** a chief concern for building owners, fire officials, and construction teams. Power Panel is made from non-combustible AAC material which provides significant fire protection for a building whether required by code or not. Several UL fire-rated assemblies are available with Power Panel.

#### Increased Durability and Resilience

Power Panel are a great upgrade option because they are significantly more resilient and durable than wood sheathing, conventional stucco, and foam-plastic exterior insulation finish (EIFS) systems. Wood and foam plastic insulation are notoriously prone to damage from moisture, mold, fire, rodents, and termites. AAC panels eliminate the traditional 3-coat stucco systems that often develop cracks over time and metal lath systems that rust when

HIGHER PERFORMANCE	MORE DURABLE & RESILIENT	BETTER OWNER VALUE
Delivers more energy efficiency, thermal and acoustical comfort, and fire safety for owners and building occupants.	Provides increased protection from damage caused by windstorms, moisture and mold, and burrowing insects and rodents.	Save money in the long-run with more efficient construction, lower operating and maintenance costs, and a longer building life span.

exposed to moisture and salty marine environments. Power Panel are also tested and evaluated to meet minimum windstorm protection requirements for Texas Department of Insurance and Florida Building Code.

**Delivering Long-Term Value for Owners**

Building with Power Panel gives owners increased long-term value by making construction simpler and faster, reducing the cost of operation and maintenance, and increasing overall building life spans.

Keeping cost of construction under control is a necessity for most owners. The simplicity of Power Panel and the reduction in the number of construction steps allows for a significant increase in performance and durability of light-framed buildings without adding any additional cost in most cases.

For example, for stucco buildings, Power Panel replaces plywood or OSB sheathing and eliminates the need for continuous insulation and metal lath and the stucco scratch coat which saves the time and labor and 2-3 complete trips around the project.

Better insulation means lower electric bills which only becomes more valuable as energy costs increase. Having a tough and resilient exterior building “skin” also reduces insurance, maintenance, and repair costs by avoiding moisture issues or cracking of stucco that is more common in conventional light-framed construction.

Best of all, replacing the outer envelope of your wood-frame or metal-frame building with a lightweight concrete system will increase the life span of your project which further improves owner value and satisfaction in the long run.

**Ideal Building Applications**

Power Panel is ideal for any wood-framed or metal-framed building where performance and durability are essential requirements of building owners including single-family residential, multifamily, assisted living, student housing, office, retail, and hospitality projects.

