

### **ADVANCED PANELIZED SYSTEMS**



APSystems.Build







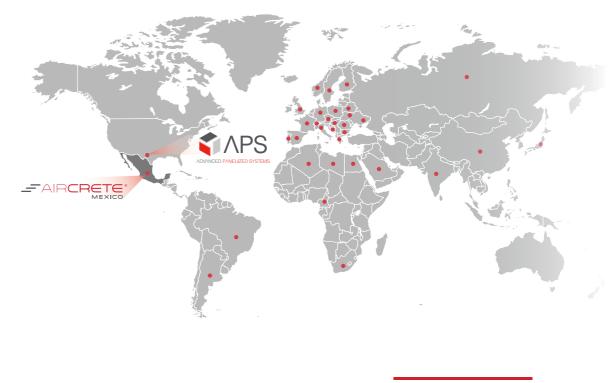




#### **ADVANCED PANELIZED SYSTEMS**

**APS** is a American corporation based in South Texas, we partnered with Litecon in Mexico as the exclusive US distributor of Aircrete cellular concrete family of products of Autoclaved Aerated Concret (AAC) panels and blocks.

- APS is partnered with Aircrete Mexico and Aircrete Europe, a global leader in AAC with more than 50 years of experience, known as the most advanced developer, manufacturer and producer of AAC technology. The company has built over 100 different plants in 20 countries on 6 different continents.
- We are the future of panels for walls and facades for residential, commercial and industrial buildings.









- Autoclaved Aerated Concrete (AAC) is a lightweight and ecofriendly concrete, commonly known as cellular concrete
- AAC is manufactured with cutting-edge technology and natural materials such as: cement, lime, silica sand, and aluminum powder
- AAC products include prefabricated panels and blocks of various sizes
  - AAC products are made 100% of natural materials, containing no foam or plastics.







- Our product is manufactured at the newest and largest AAC plant in North America with an annual production capacity of 32 million ft<sup>2</sup>.
- We are currently shipping panels and blocks all over North America and Central America.

**Q** LOCATION / 20 MILES NORTH MEXICO CITY









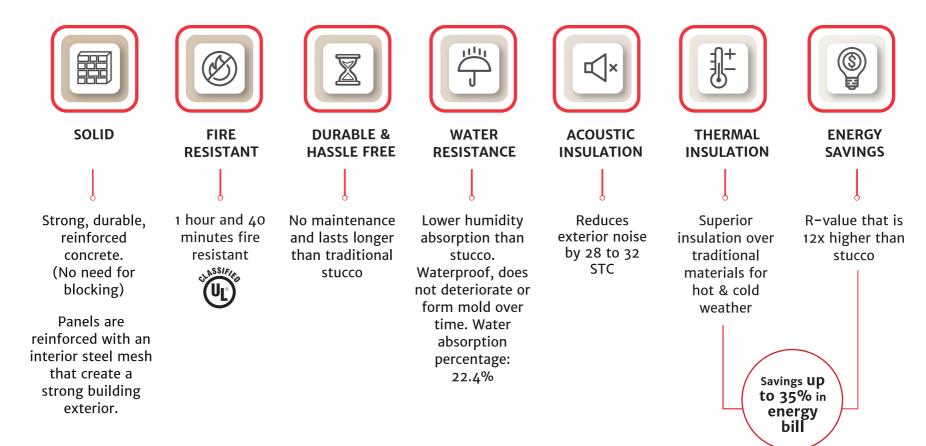


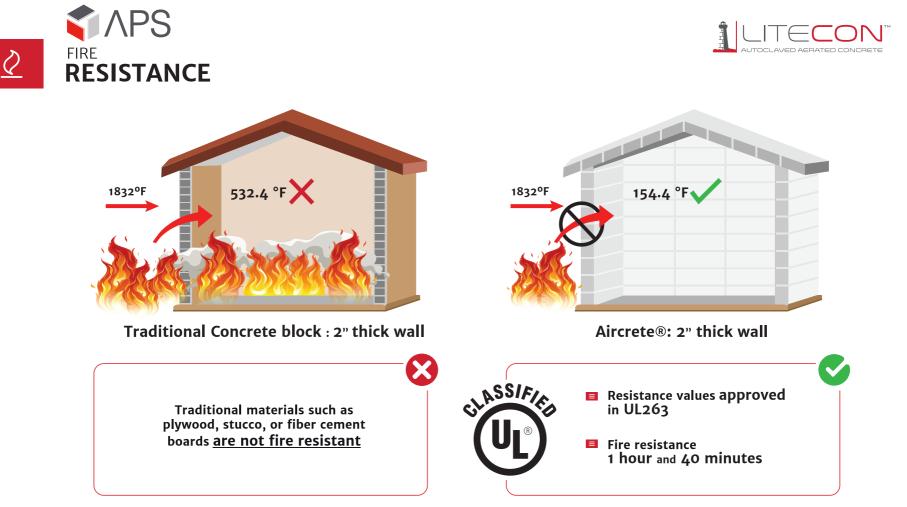
ROBUST **STRUCTURAL** LIGHT **ECO-FRIENDLY EASIER & FASTER** LOWER **HIGH QUALITY** CONCRETE MANUFACTURING COST WEIGHT INSTALLATION Strong, durable 580-870 psi Weighs 60% Constructed in Made 100% Walls ready to 40% less than & weather less than world-class, paint in 4 days\*. traditional compressive from natural strength. materials Easy to cut, drill, resistant conventional automated construction material (lasts Shear wall manufacturing containing no punch, groove systems concrete resistance and sand with longer than plant to ASTM foam or plastics. Stucco) standards No need for conventional tools plywood (No special equipment required).\*

\* Vs 30 days of 3 coat-stucco. Based on a 3,000 ft<sup>2</sup> project.



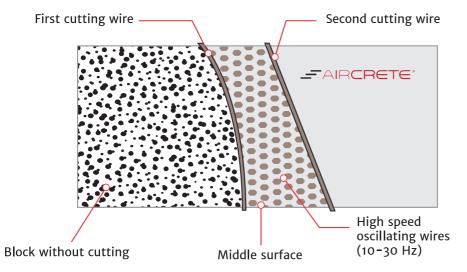








**Second cutting edge Technology** patented by **Aircrete**®

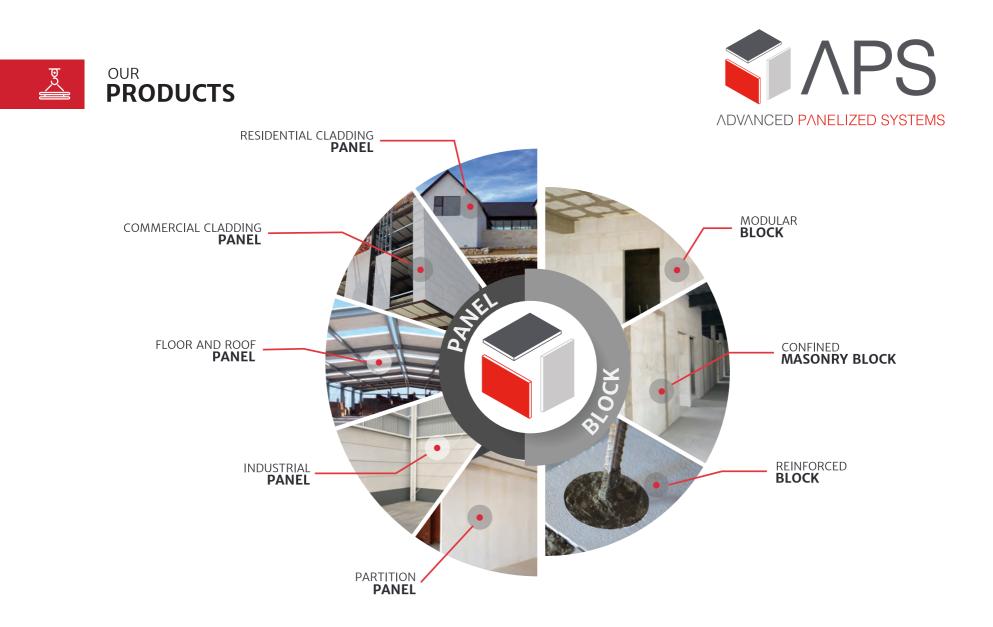




Leaves a super smooth finish









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## RESIDENTIAL CLADDING PANEL

# RCP RESIDENTIAL CLADDING



#### **DESCRIPTION:**

Façade cladding panels for traditional wood frame system. Standard size 2'x4' and 2'x7' panels with 2" thickness.

#### **ADVANTAGES:**

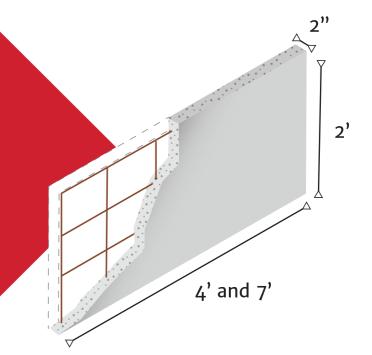
- R- Value: 2.3 (vs. Stucco 0.2 and Cement Board 0.3)
- **E** Fast installation (700  $ft^2$  a day per 2–3 person crew)
- Thin, lightweight and steel reinforced
- Super smooth finish great for savings on finish coat
- Does not sag, warp, deform or crack
- Joints between panels remain invisible over time

#### **APPLICATION:**

Façades and exterior walls.

#### WEIGHT:

5.12 lbs/ft<sup>2</sup>







# CP COMMERCIAL CLADDING



#### **DESCRIPTION:**

Façade cladding panels for steel or wood frame systems. Standard size 2'x4' and 2'x7' panels with 2", 3" or more thickness.

#### **ADVANTAGES:**

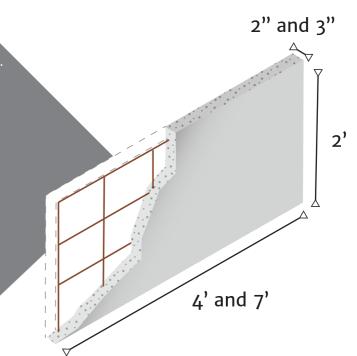
- R- Value: 2.3 (vs. Stucco 0.2 and Cement Board 0.3)
- **E** Fast installation (700 ft<sup>2</sup> a day per 2–3 person crew)
- Thin, lightweight and steel reinforced
- Super smooth finish great for savings on finish coat
- Does not sag, warp, deform or crack
- Joints between panels remain invisible over time

#### **APPLICATION:**

Façades and exterior walls.

#### WEIGHT:

5.12  $lbs/ft^2$ 



## ROUTED CLADDING PANEL



# R P ROUTED CLADDING PANEL



#### **DESCRIPTION:**

Façade cladding panels with custom pattern design for steel or wood frame systems.

Standard size 2'x4' and 2'x7' panels with 2", 3" or more thickness.

#### **ADVANTAGES:**

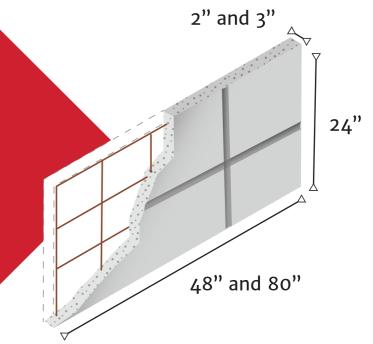
- Custom designs available
- Uniform look with smooth finish
- Does not sag, warp or crack
- Joints between panels remain invisible over time

#### **APPLICATION:**

Exterior and façade walls.

#### WEIGHT:

5.3 lbs/ft<sup>2</sup> for 2" thick panel.







## F P FLOOR AND ROOF



#### **DESCRIPTION:**

Steel reinforced panel for floor and roof fy=1,707 lbs/in<sup>2</sup>.

#### **ADVANTAGES:**

- **Fast installation**
- Cost effective and light weight reduces structural costs
- Requires less framing
- Eliminates on-site casting for floor & roof installation

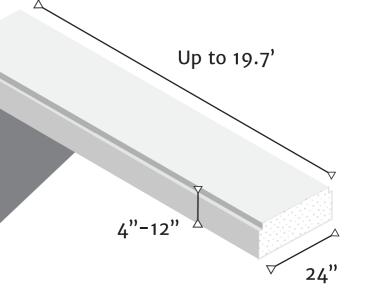
#### **APPLICATION:**

Floors and Roofs.

Panels can be attached directly over steel frames, concrete or confined masonry walls.

#### WEIGHT:

12.3 lbs/ft<sup>2</sup> for 4" thick panel.











#### **DESCRIPTION:**

Steel reinforced panel for industrial walls fy=1,707 lbs/in<sup>2</sup>.

#### **ADVANTAGES:**

- **Fast Installation**
- Some applications may not require adhesive
- Thermal, acoustic and fire resistant characteristics, result in a comfortable, safe and productive work space

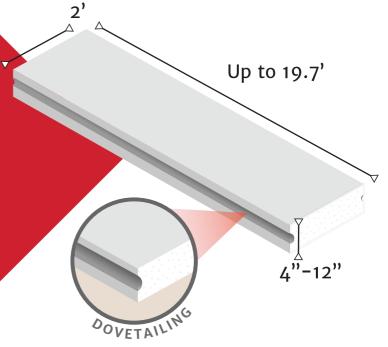
#### **APPLICATION:**

Industrial warehouses, exterior and demising walls.

Panels can be attached directly over steel frames, concrete or structural members.

#### WEIGHT:

12.3 lbs/ft<sup>2</sup> for 4" thick panel.











#### **DESCRIPTION:**

Steel reinforced demising wall panel. Single panel from floor to ceiling.

#### **ADVANTAGES:**

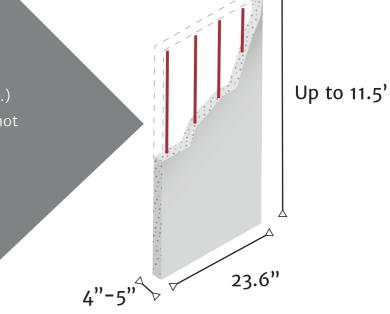
- E Fastest and most efficient installation on the market
- Supports direct attachment of heavy loads (TV, cabinets, etc.)
- Solid partition wall, resistant to structural movements, will not drift or deflect
- Does not require additional reinforcement

#### **APPLICATION:**

Non-load bearing partition walls up to 11.5'.

#### WEIGHT:

10.7 lbs/ft<sup>2</sup> for 4" thick panel.





## CONFINED MASONRY BLOCK

### CB CONFINED MASONRY BLOCK



#### **DESCRIPTION:**

Solid, lightweight modular block, confined with concrete columns and beams.

#### **ADVANTAGES:**

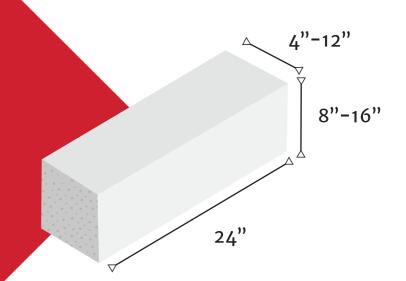
- Large dimension block
- **Faster installation compared to traditional systems**
- High quality and smooth finish

#### **APPLICATION:**

Load bearing and structural walls.

#### WEIGHT:

12 lb/ft<sup>2</sup> for 4" thick block.







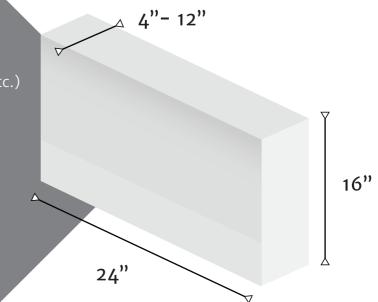




#### **DESCRIPTION:**

Large dimension block.





#### **ADVANTAGES:**

- **Supports direct attachment of heavy loads (TV, cabinets, etc.)**
- Solid partition wall, resistant to structural movements
- Does not require additional reinforcement

#### **APPLICATION:**

Non load-bearing partition walls up to 23'.

### WEIGHT:

10.7 lbs/ft<sup>2</sup> for 4" thick block.







### RB REINFORCED BLOCK

#### **DESCRIPTION:**

Cored blocks with internal reinforcement made of rebar and concrete.

#### **ADVANTAGES:**

- Does not require additional structural support, no need of beams and columns
- Savings of 50% in rebar and concrete compared with traditional systems

#### **APPLICATION:**

Load bearing, partition and exterior walls.

#### WEIGHT:

15 lbs/ft<sup>2</sup> for 5" thick block\*.\*Net weight without rebar and concrete.



5"-10"

8"

24"





#### CONTACT US:



www.apsystems.build