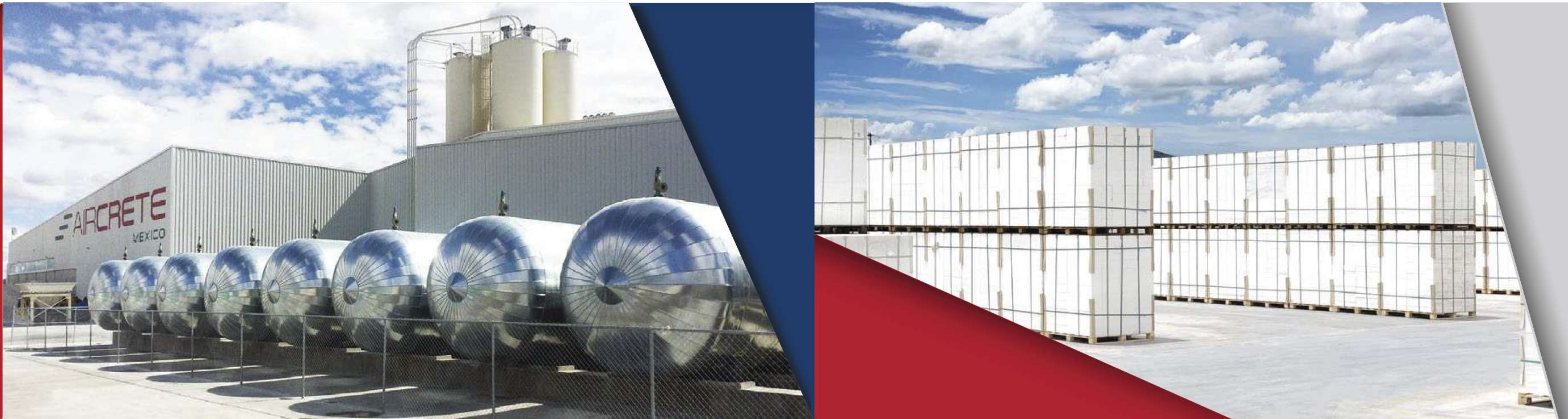


CATALOGUE 2023





OUR
FACTORY

4buildUSA
Solutions for the future



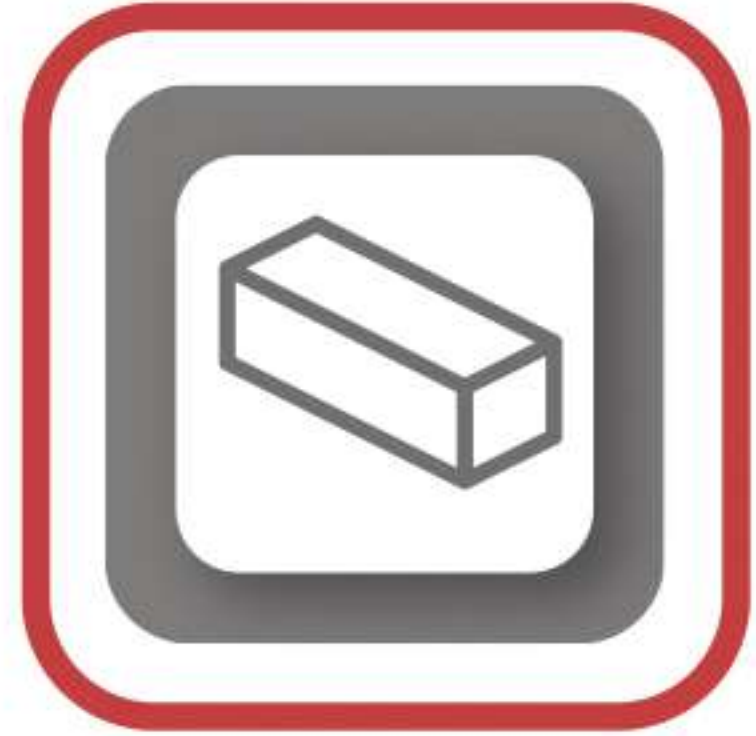
- ☰ Our product is manufactured at the **newest and largest AAC plant in North America** with an annual production capacity of **32 million ft²**.
- ☰ We are currently shipping panels and blocks all over **North America and Central America**.







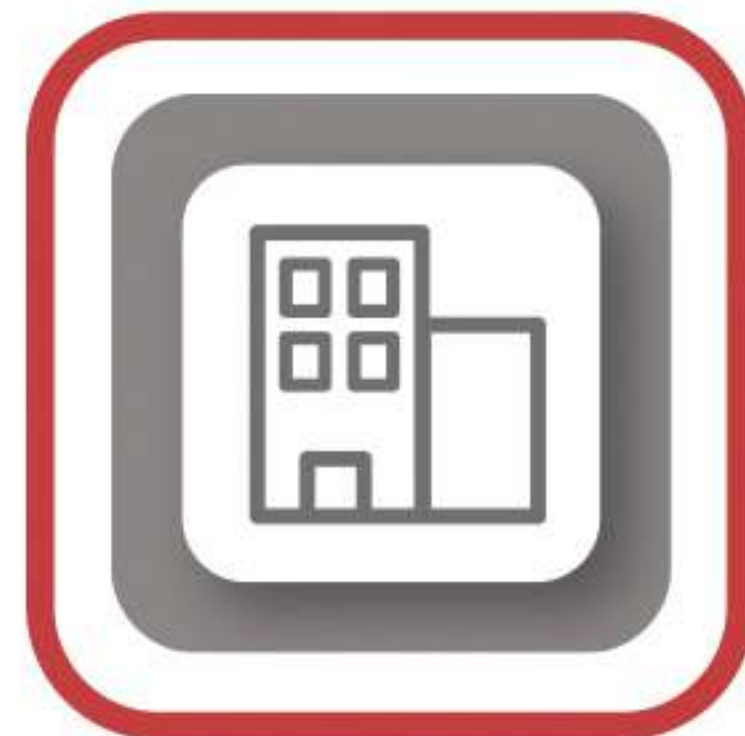
BENEFITS TO THE **BUILDER & GENERAL CONTRACTOR**



ROBUST CONCRETE



Strong, durable
& weather
resistant



STRUCTURAL



No need for
plywood or OSB



LIGHT WEIGHT



Weighs 60% less
than
conventional
concrete



HIGH QUALITY MANUFACTURING



Manufactured to
meet ASTM
standards



ECO-FRIENDLY



LEED
Evaluated
Scan QR for LEED
Dossier:



EASIER & FASTER INSTALLATION



Prefabricated
panels, easy to
cut and sand
with conventional
tools



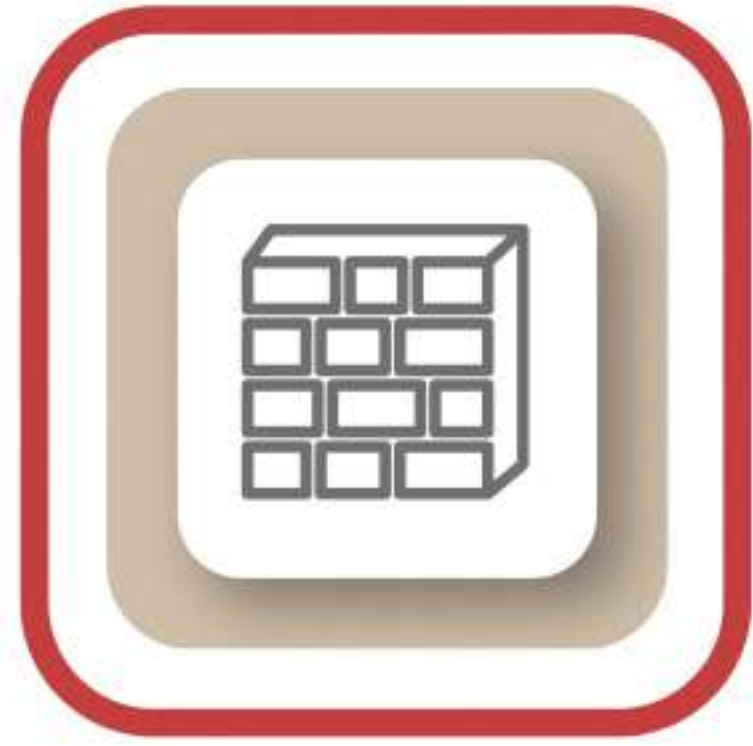
LOWER COST



Savings up to
40% less



BENEFITS OF THE HOME OWNER



ROBUST MATERIAL

Strong exterior wall
(No need for blocking)



LONG LASTING

Does NOT deteriorate or crack over time



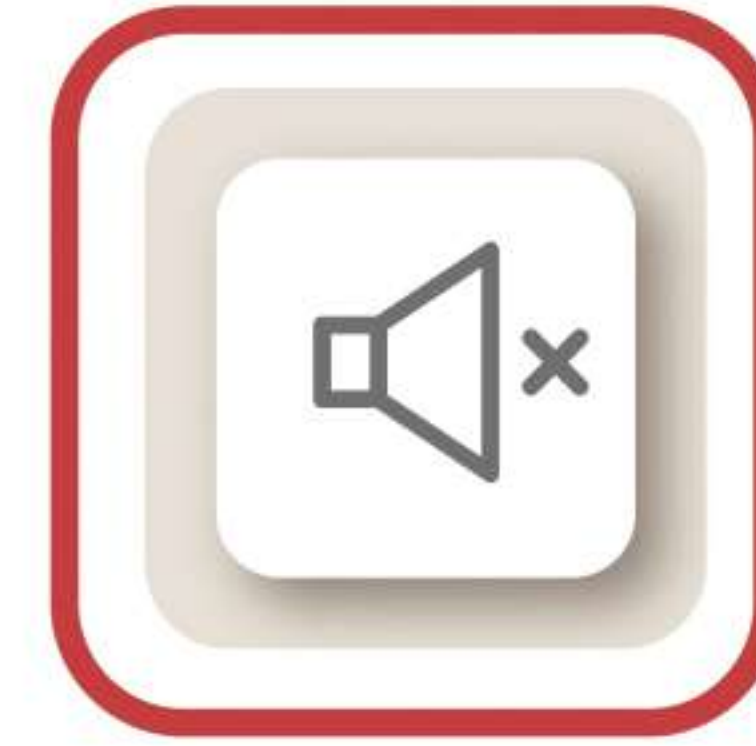
FIRE RESISTANT

Up to 2hr fire resistance*



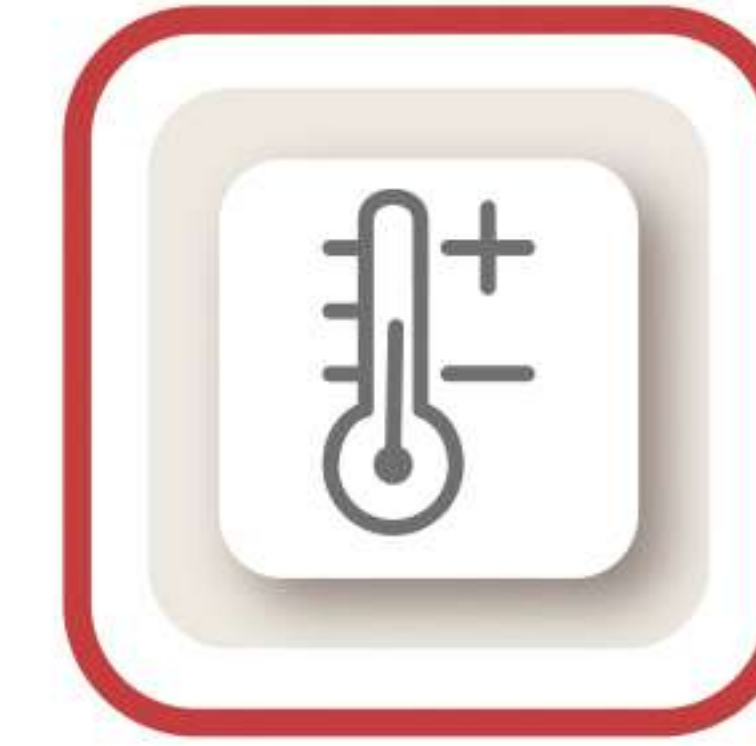
WEATHER RESISTANT

Water resistant, does not form mold



ACOUSTIC INSULATION

Reduces sound up to 57 STC*



THERMAL INSULATION

Superior continuous insulation



ENERGY SAVINGS

Energy bill up to 40% lower

**Panel 3"*

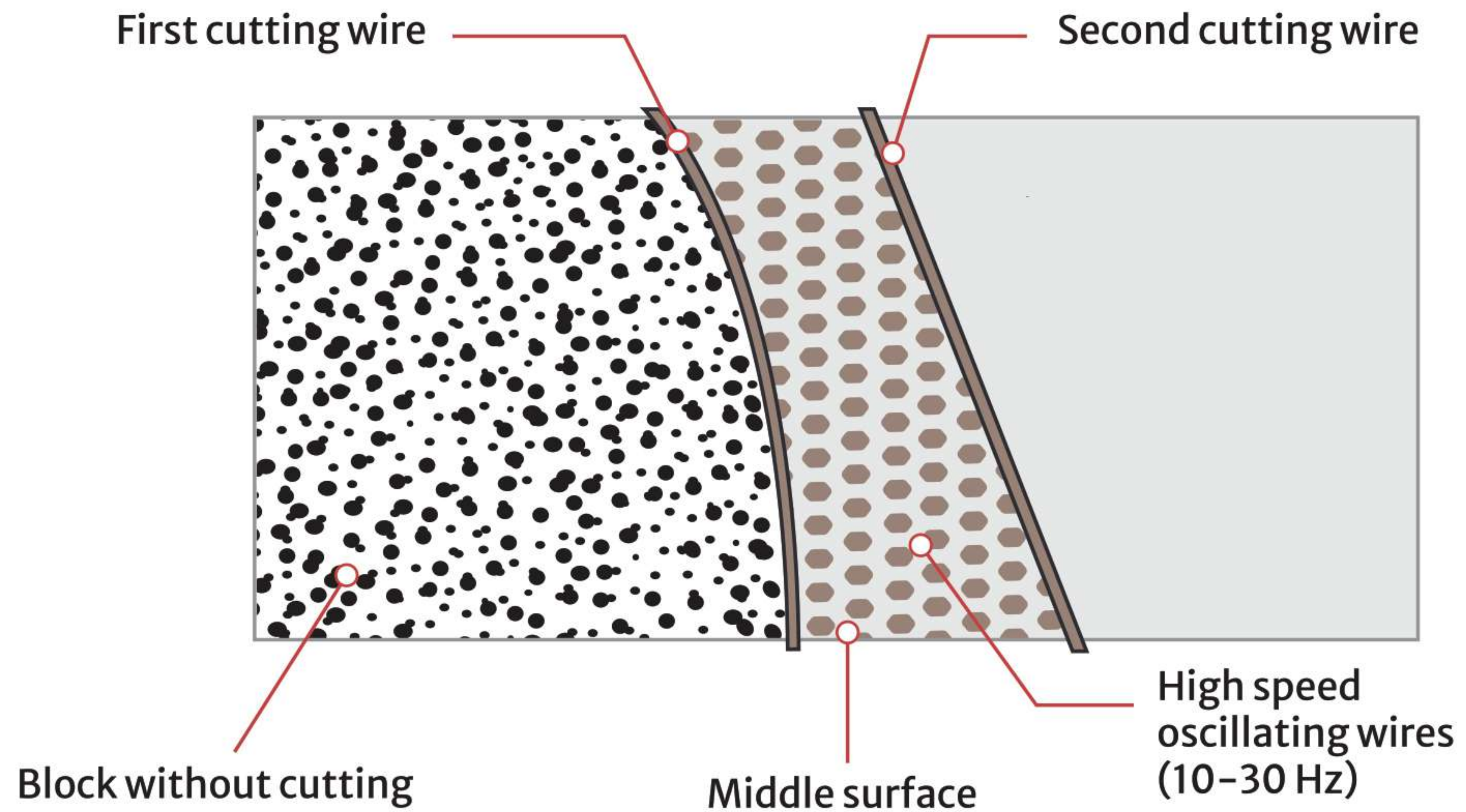
R VALUE

AAC : 2.3
3- Coat stucco: 0.20
Fibre Cement: 0.37
Cement Board: 0.3



SUPER SMOOTH FINISH

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

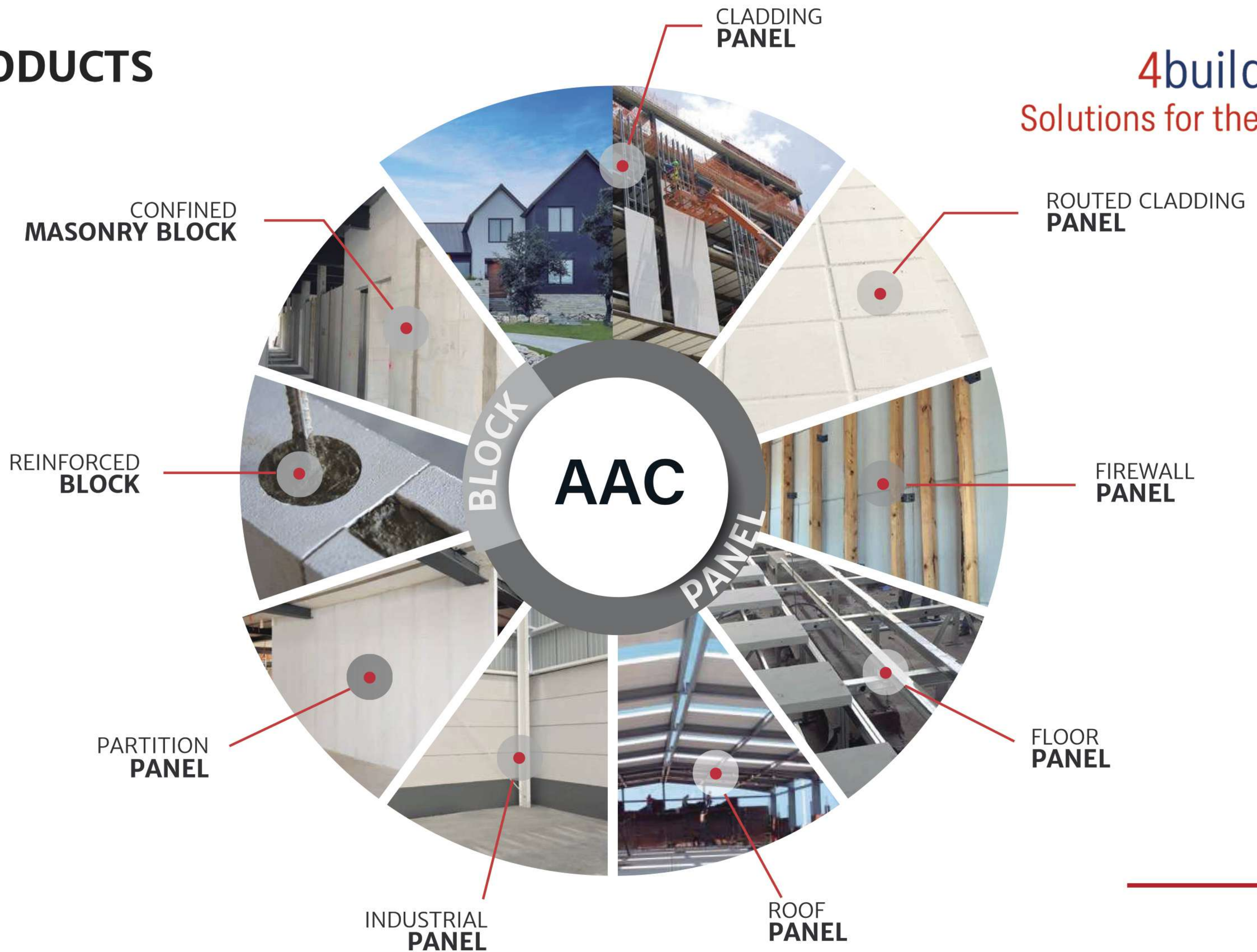


Leaves a super smooth finish, leading to savings on finish coats



OUR PRODUCTS

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CLADDING
PANEL



DESCRIPTION:

Cladding Panels for traditional wood or steel frame system.

ADVANTAGES:

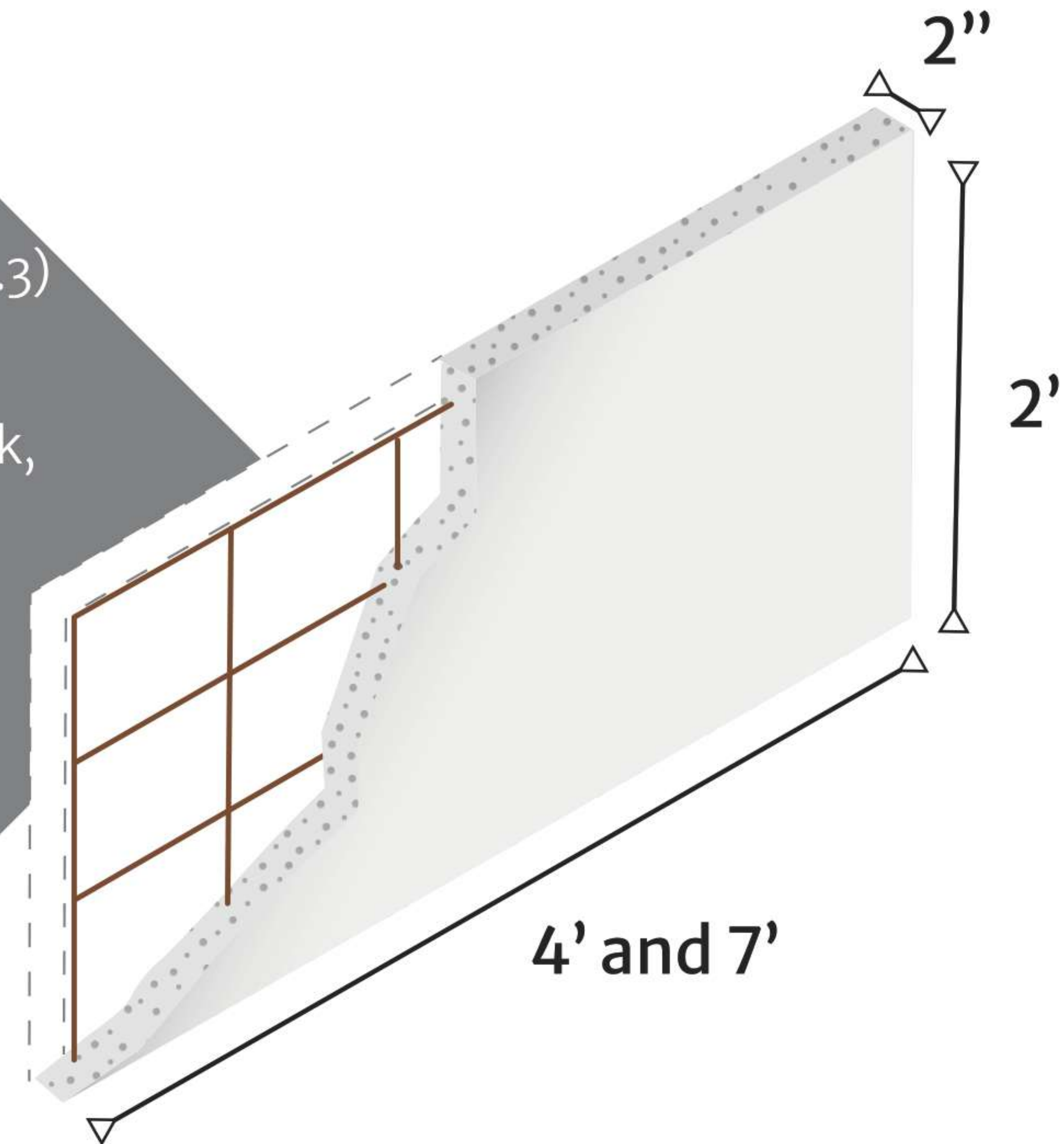
- ≡ R-Value: 2.3 Continuous insulation (vs Stucco 0.2 and Fiber cement siding 0.3)
- ≡ Fast installation (700 ft² a day per 2-3 person crew)
- ≡ Any finish can be applied: Stucco finish, plaster, veneer, sticky brick, brick, stone, siding
- ≡ Super smooth finish great for savings on finish coat
- ≡ Does not sag, warp, deform or crack (joints remain invisible over time)

APPLICATION:

Litecon Cladding Panel is the sheathing and exterior wall. To install, directly fasten to wood or steel frames.

WEIGHT:

5.12 lbs/ft²



Standard sizes 2" thick by 2'x4' or 2'x7'. Steel reinforced with an 1/8" steel mesh.



ROUTED CLADDING
PANEL



DESCRIPTION:

Routed cladding panel with custom pattern design.

ADVANTAGES:

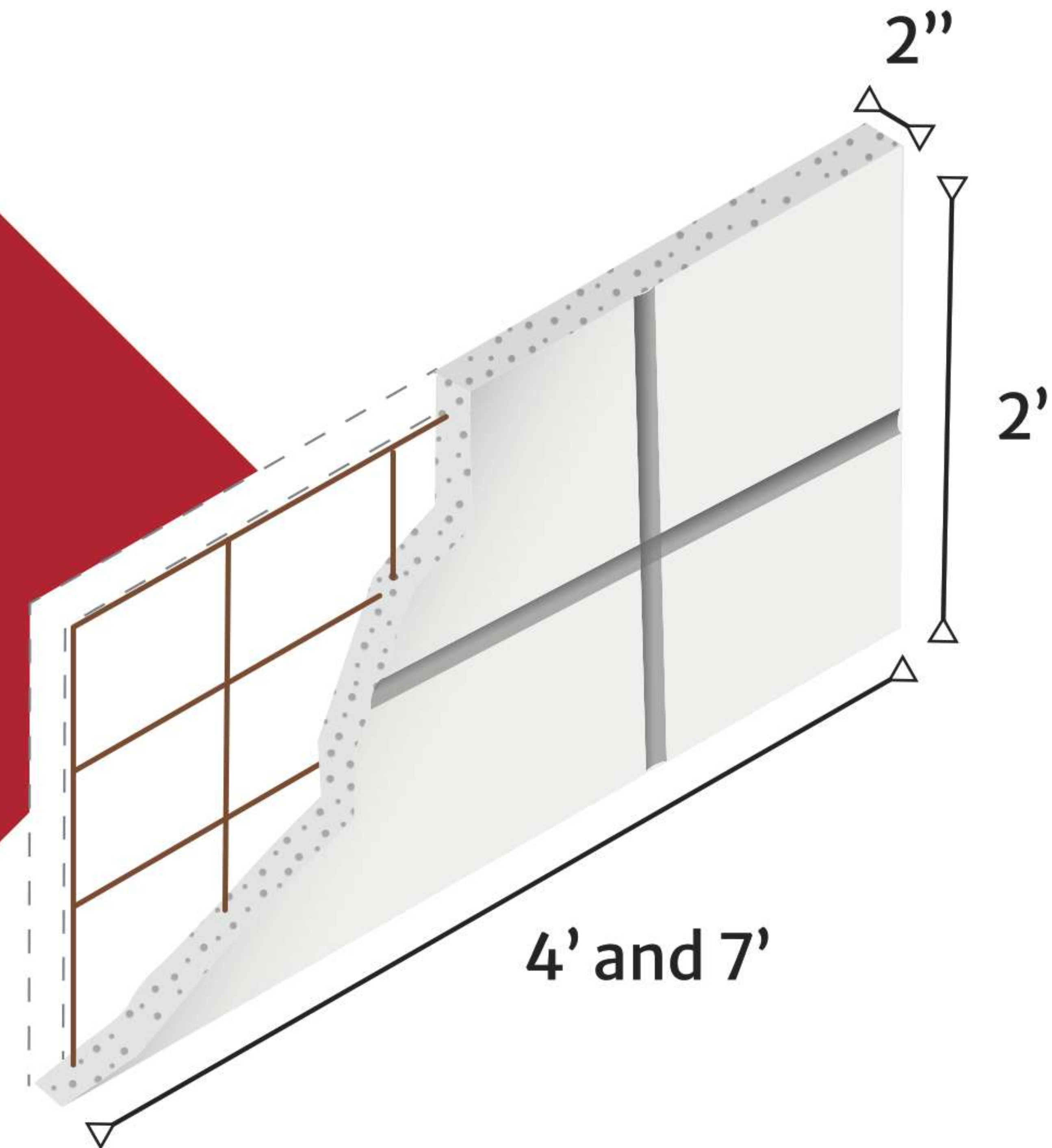
- ☰ Custom designs available
- ☰ Easy finish: simply apply primer/sealant and paint
- ☰ Does not sag, warp or crack (joints between panels remain invisible over time)
- ☰ Uniform look with smooth finish

APPLICATION:

Litecon Cladding Panel is the sheathing and exterior wall. To install, directly fasten to wood or steel frames.

WEIGHT:

5.12 lbs/ft².



Standard sizes 2" thick by 2'x 4' or 2' x 7'. Steel reinforced with an 1/8" steel mesh.



LITECON FIREWALL
PANEL





LITECON FIREWALL PANEL

DESCRIPTION:

Specially crafted AAC 3" Panel for Firewalls.

ADVANTAGES:

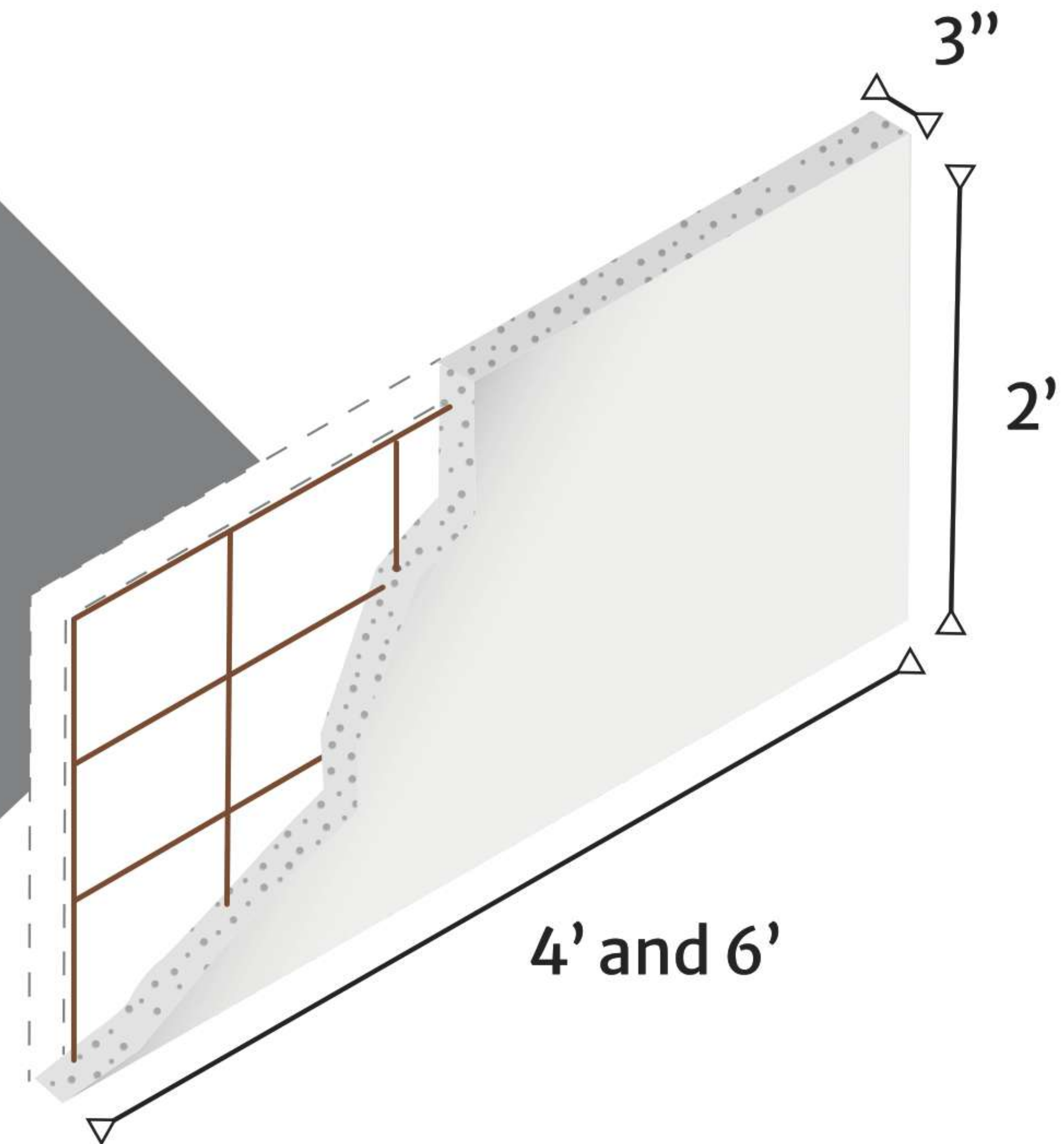
- ≡ Fast installation during framing, no need for specialized labor
- ≡ Complies with 2 hour fire rating
- ≡ Highly acoustic, reduces 57 STC

APPLICATION:

Firewalls and Shaftwalls.

WEIGHT:

7.68 lbs/ft².



Standard sizes 3" thick by 2'x4' or 2'x6'.



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FLOOR
PANEL



DESCRIPTION:

Steel reinforced floor panel to accommodate supports at 16" or 24" O.C.

ADVANTAGES:

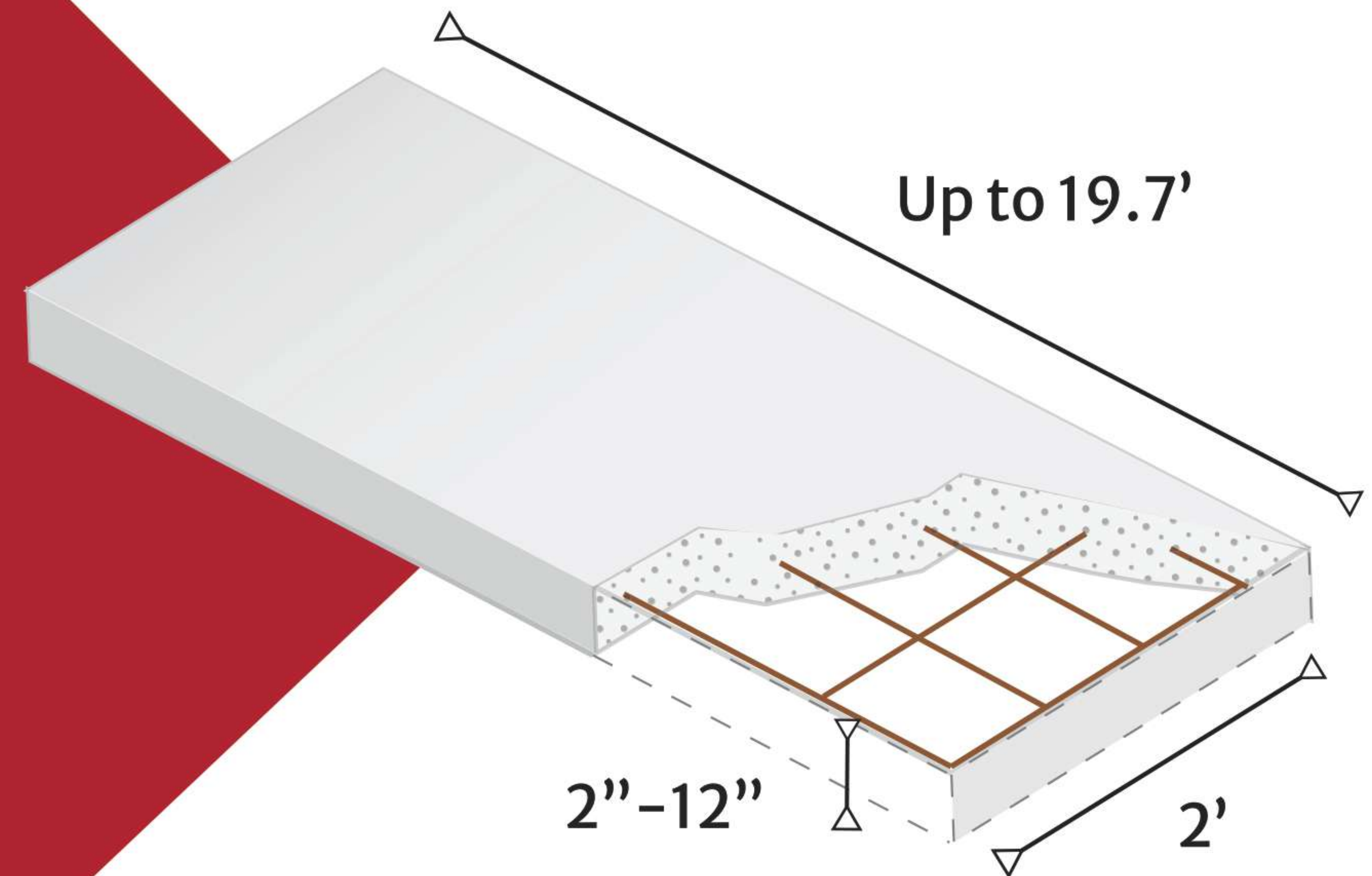
- Fast installation
- Non labor intensive: no sanding needed to level subfloor
- Fire resistant
- Highly acoustic
- Any type of flooring can be applied directly

APPLICATION:

Floor panels are directly fastened over wood or steel joists. No need for plywood.

WEIGHT:

8.69 lbs/ft² for 3" thick panel.



Standard Size 3" thick by 2'x 4'.



ROOF
PANEL



DESCRIPTION:

Steel reinforced panel for roofs.

ADVANTAGES:

- ≡ Fast Installation
- ≡ Reduces structural costs due to light weight
- ≡ Requires less framing (allows for more separation between supports)
- ≡ Eliminates on-site casting for roof installation

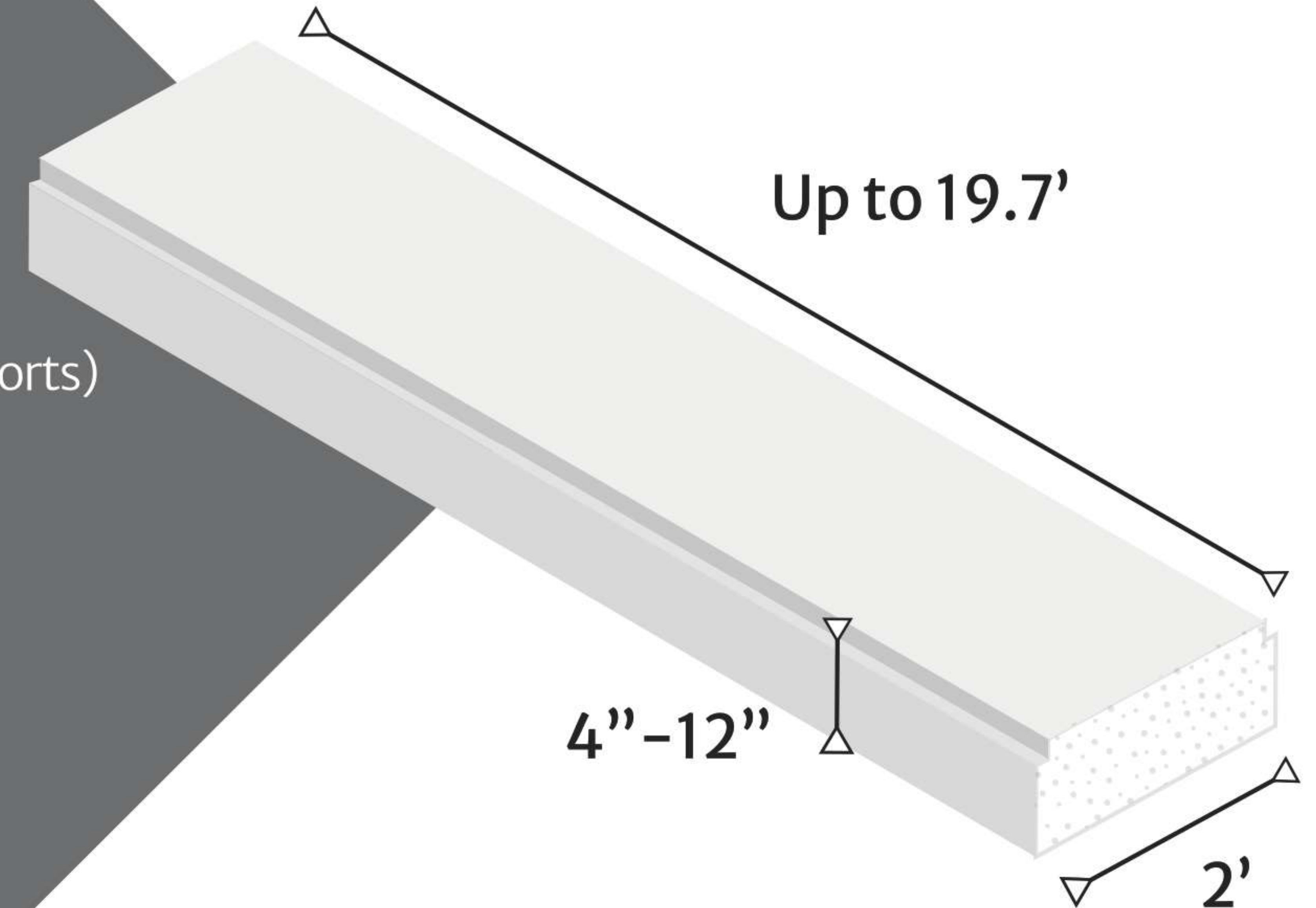
APPLICATION:

Roofs.

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

WEIGHT:

12.3 lbs/ft² for 4" thick panel.



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INDUSTRIAL PANEL



DESCRIPTION:

Steel reinforced panel for industrial walls and fences.

ADVANTAGES:

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

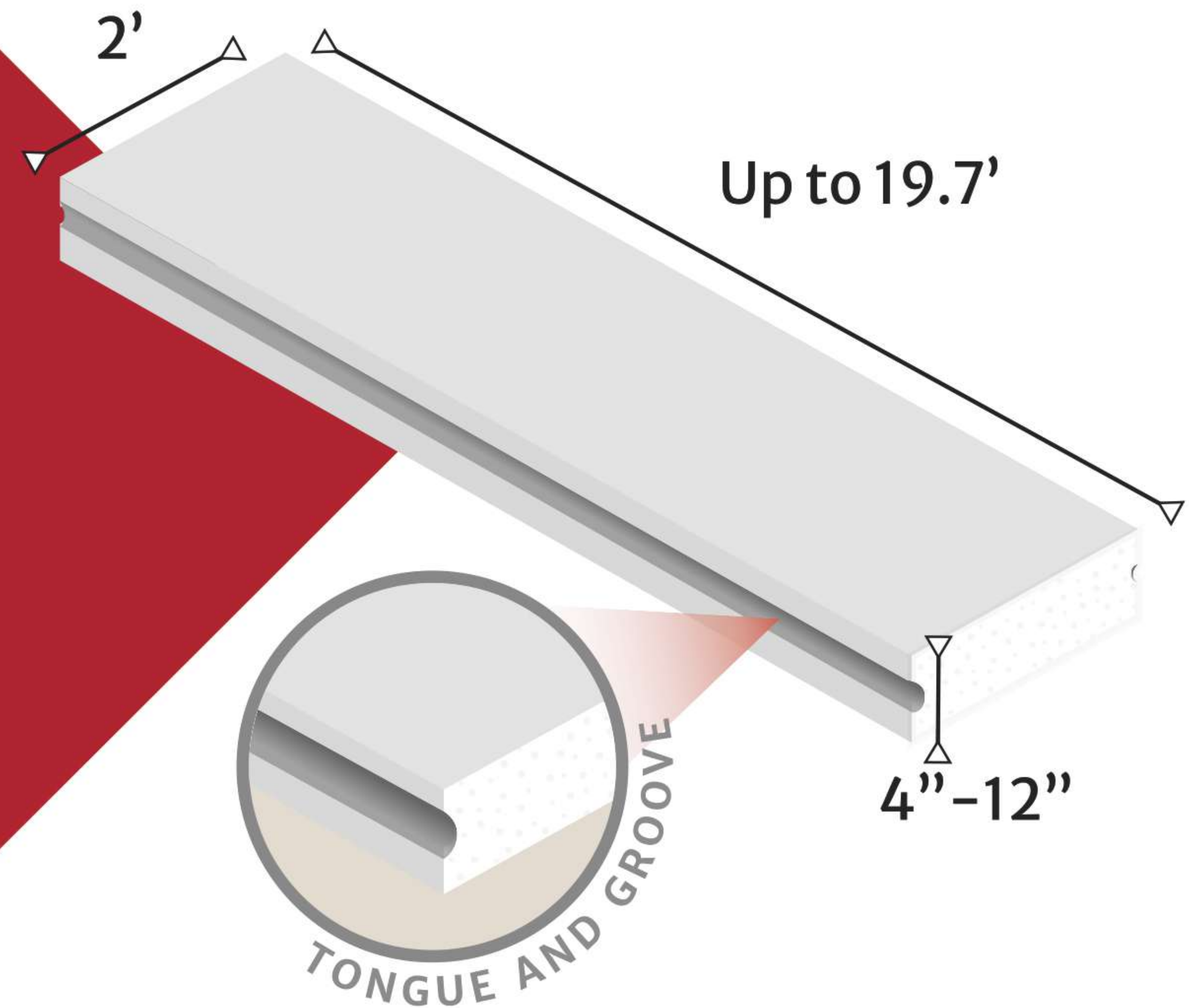
APPLICATION:

Industrial warehouses and fences.

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

WEIGHT:

12.3 lbs/ft² for 4" thick panel.





**PARTITION
PANEL**



DESCRIPTION:

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

ADVANTAGES:

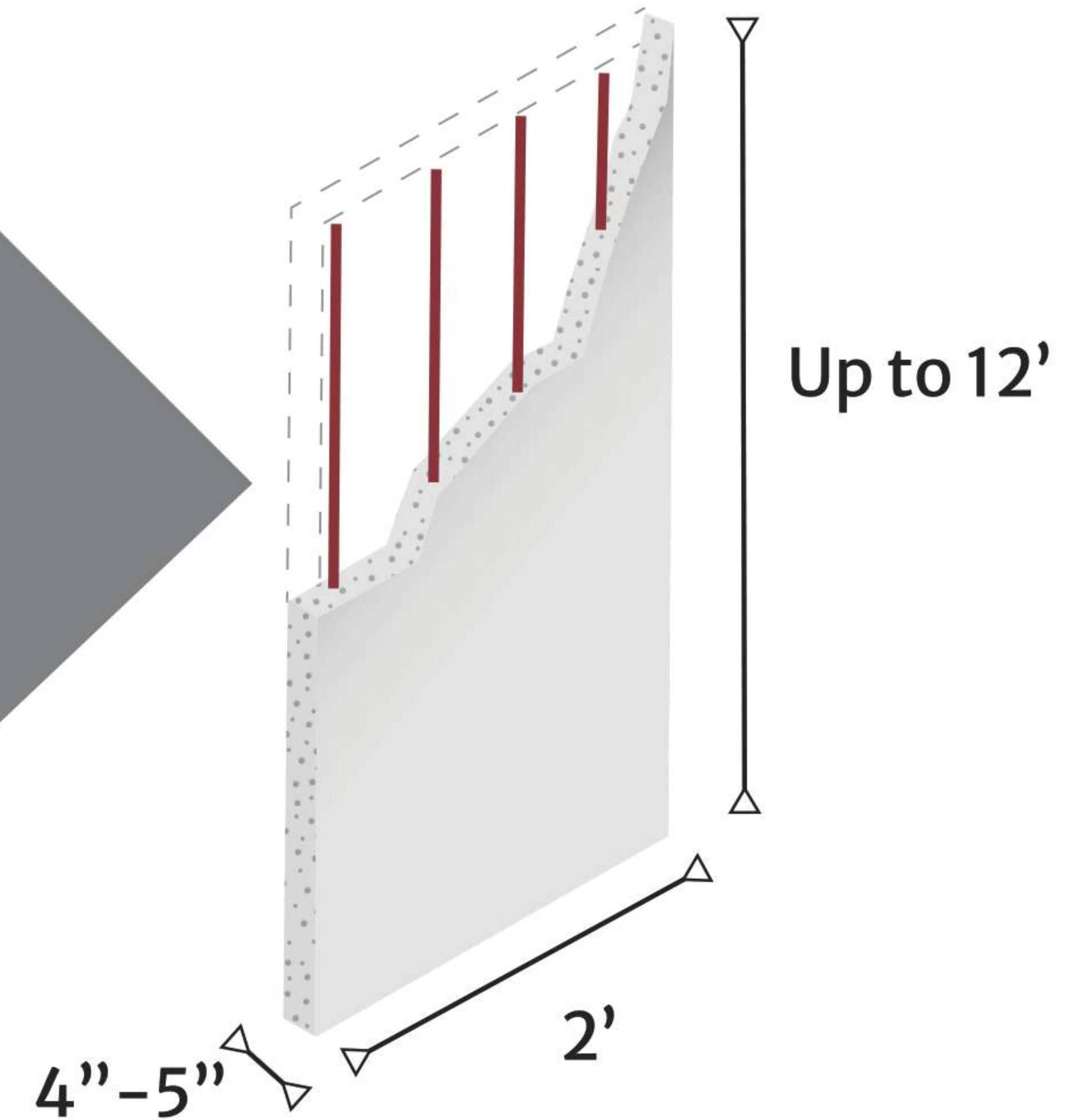
- ≡ Fastest and most efficient installation on the market
- ≡ Supports direct attachment of heavy loads (TV, cabinets, etc.)
- ≡ Solid partition wall, resistant to structural movements, will not drift or deflect
- ≡ Does not require additional reinforcement

APPLICATION:

Non-load bearing partition walls up to 12'.

WEIGHT:

10.7 lbs/ft² for 4" thick panel.





REINFORCED
BLOCK



DESCRIPTION:

Cored blocks to be filled with steel rebar and concrete for load bearing walls.

ADVANTAGES:

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

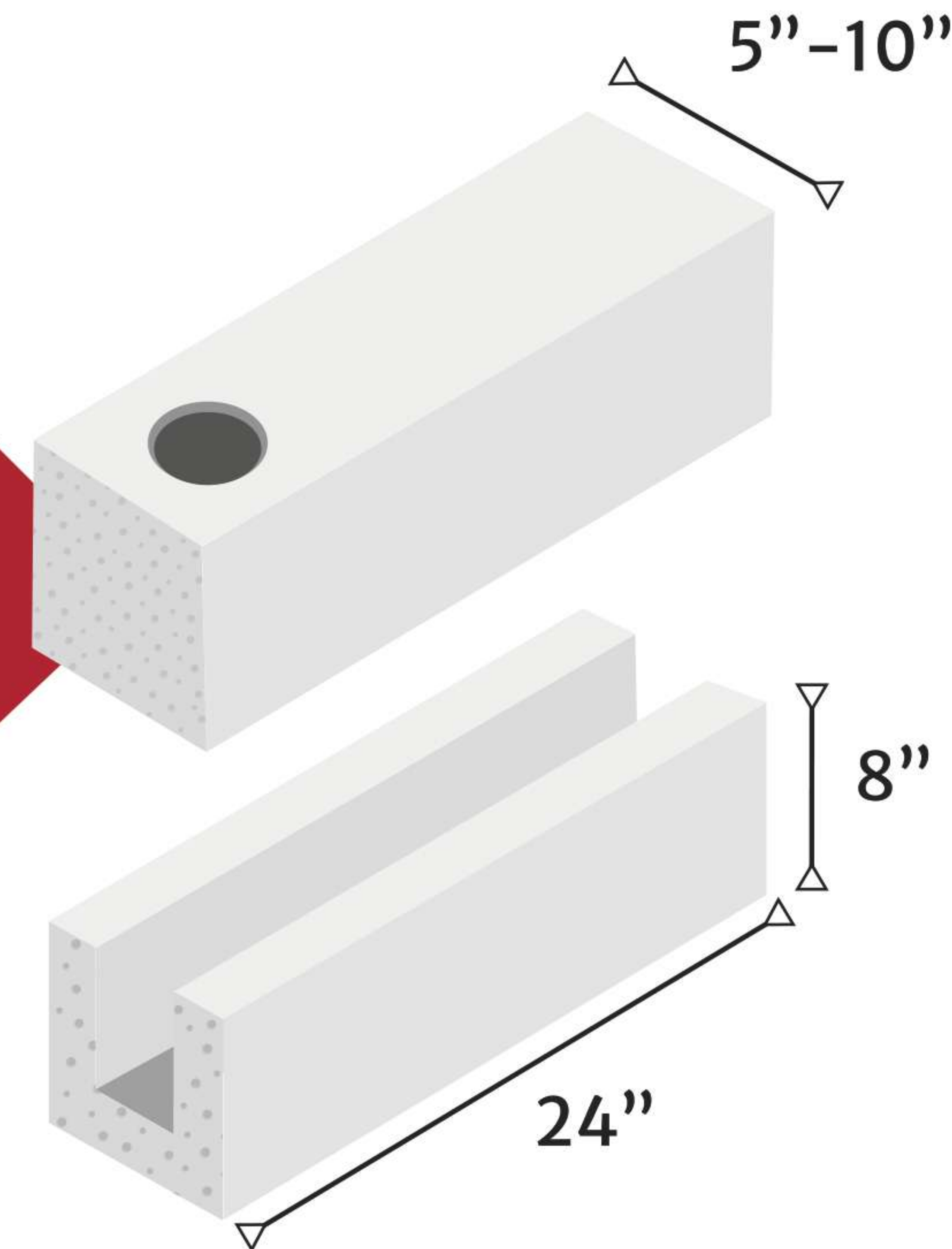
APPLICATION:

Load bearing, partition and exterior walls.

WEIGHT:

15 lbs/ft² for 5" thick block*.

**Net weight without rebar and concrete.*





CONFINED MASONRY
BLOCK





CONFINED MASONRY BLOCK

DESCRIPTION:

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

ADVANTAGES:

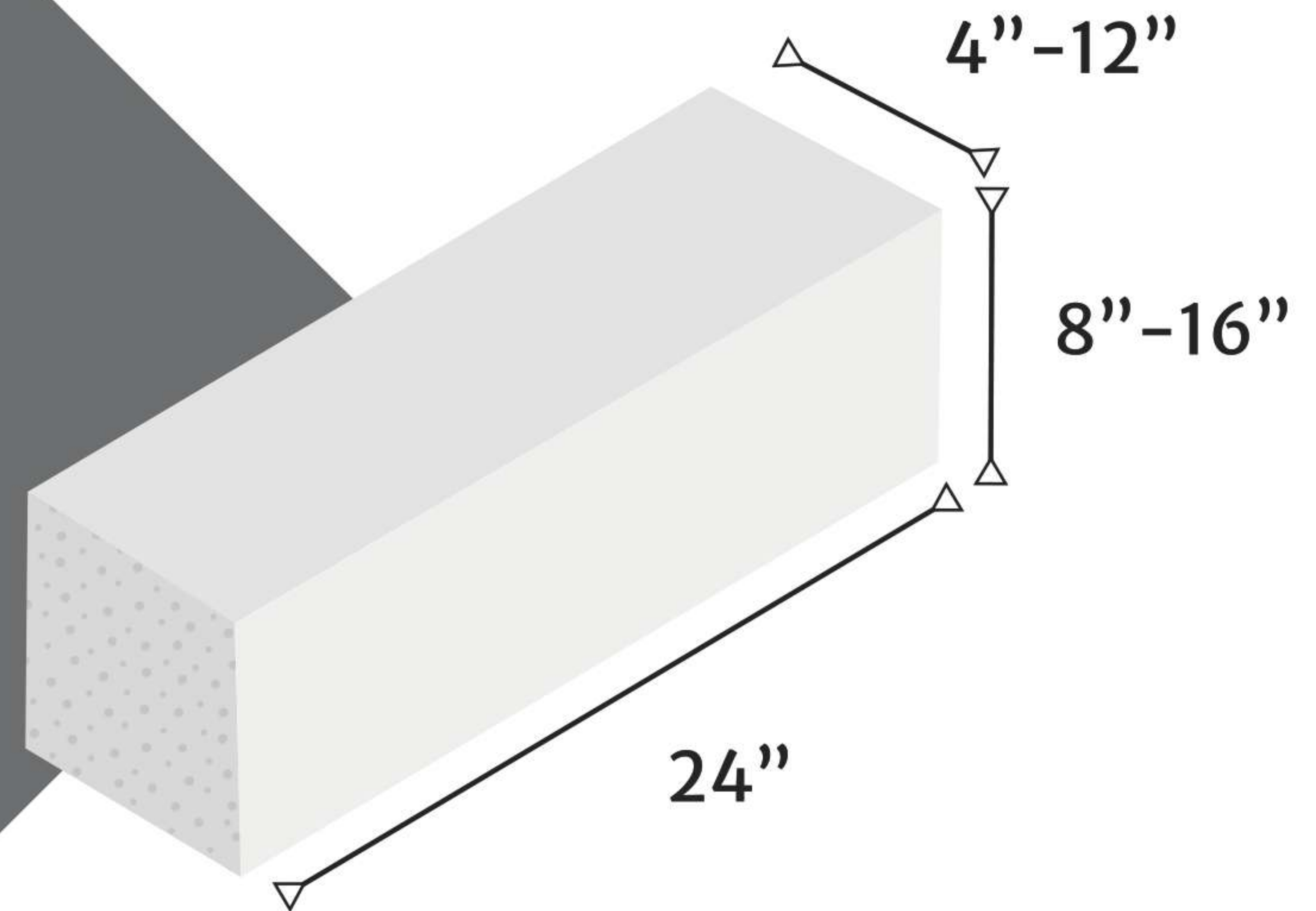
- ≡ 60% lighter than CMU Block
- ≡ Large dimension block
- ≡ Faster installation compared to CMU Block
- ≡ High quality and smooth finish

APPLICATION:

Load bearing and structural walls.

WEIGHT:

12 lb/ft² for 4" thick block.





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