



MEGABOARD



**THE NON-COMBUSTIBLE  
STRUCTURAL BUILDING PANEL  
FOR SUBFLOOR AND WALL  
SHEATHING APPLICATIONS**

**PERFORMANCE WHERE IT COUNTS**



## INTRODUCING MEGABOARD

The Megaboard range of non-combustible structural building panels delivers exceptional performance alongside compelling value.

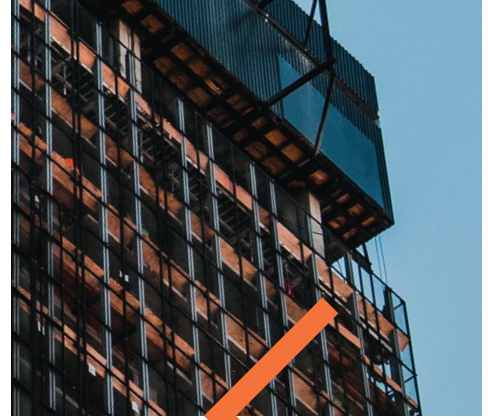
Megaboard is an inorganic cementitious panel reinforced with a unique six-layer fibreglass mesh for superb performance on the metrics which matter – strength, weight, durability, workability, dimensional stability, non-combustibility, and more.

Tested at labs – and on construction projects – throughout the US and Canada, Megaboard has achieved class-leading results in everything from fire resistance to fastener pull, shear, deflection and shear diaphragm strength.

The Megaboard range includes panels for subfloor and wall sheathing applications, for use in place of plywood, OSB, gypsum sheathing, and lightweight concrete pour.

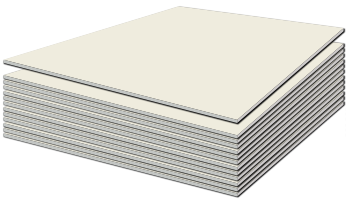


MEGABOARD



# PERFORMANCE WHERE IT COUNTS

The Megaboard range of non-combustible subfloor and wall sheathing panels is ideally suited to a range of applications.



	Modular Construction	Wood Frame Construction	Steel Frame Construction
<p><b>Modular Construction</b></p> <p>Excellent performance and value for the light-gauge steel modular construction of low to mid-rise buildings across hospitality, multi-family residential, commercial, healthcare and more.</p>		<p><b>Wood Frame Construction</b></p> <p>Ideally suited to the construction of low and mid-rise multi-family residential and other wood-framed buildings.</p>	<p><b>Steel Frame Construction</b></p> <p>Leading performance and value for the CFS construction of low to mid-rise buildings across hospitality, multi-family residential, commercial, healthcare and more.</p>
<p><b>SPEED</b></p> <p>A lightweight, easy-to-handle, and simple-to-install panel for the fastest possible build times.</p>	✓	✓	✓
<p><b>WEIGHT</b></p> <p>Lighter not only than ply and pour but also other panel solutions, for a significant impact on overall building weight.</p>	✓	✓	✓
<p><b>PRECISION</b></p> <p>Manufactured to class-leading tolerances for on and off-site precision, with heat and water resistance meaning panels will not delaminate, warp, expand or bow.</p>	✓	✓	✓
<p><b>COST</b></p> <p>Making a significant contribution to project cost through reduced build times, lower weight and low panel prices.</p>	✓	✓	✓
<p><b>STRENGTH</b></p> <p>Contributes to overall structural strength with superb performance across fastener pull, shear, deflection and shear diaphragm strength.</p>	✓	✓	✓
<p><b>PROVEN</b></p> <p>Unique composition, developed over more than a decade and tested at labs and on modular projects throughout the US and Canada.</p>	✓	✓	✓



## MEGABOARD SUBFLOOR

Megaboard Subfloor is a high-performance structural building panel which delivers exceptional performance and value for both steel and wood frame construction.

On steel frame, Megaboard is used in place of a traditional metal deck and gypcrete pour, creating dramatic reductions in construction time, weight and cost.

On wood frame, Megaboard can be used in place of a plywood or OSB deck with gypcrete pour. As well as creating significant reductions in construction weight and cost, Megaboard's durability and water resistance will contribute significantly to a streamlined building schedule.

### Features

#### Non-Combustible

Non-combustible per IAPMO listings (ASTM E136 – Non-Combustible) for use in fire-rated floor/ceiling assemblies. IBC & IRC approved, with more than 30 UL/ULC listed assemblies up to 2 hours.

#### Structural Performance

Exceptional span strength for use across a 24" span, along with exceptional diaphragm strength for lateral building rigidity.

#### Quick & Simple to Install

Can be single trade fitted and remove the need for a gypsum underlayment.

#### Water, Mold & Insect Resistant

Inorganic cementitious materials will not grow mold (per ASTM G 21 0/0). Zero nutritional value for complete resistance to termites and all wood-boring insects.

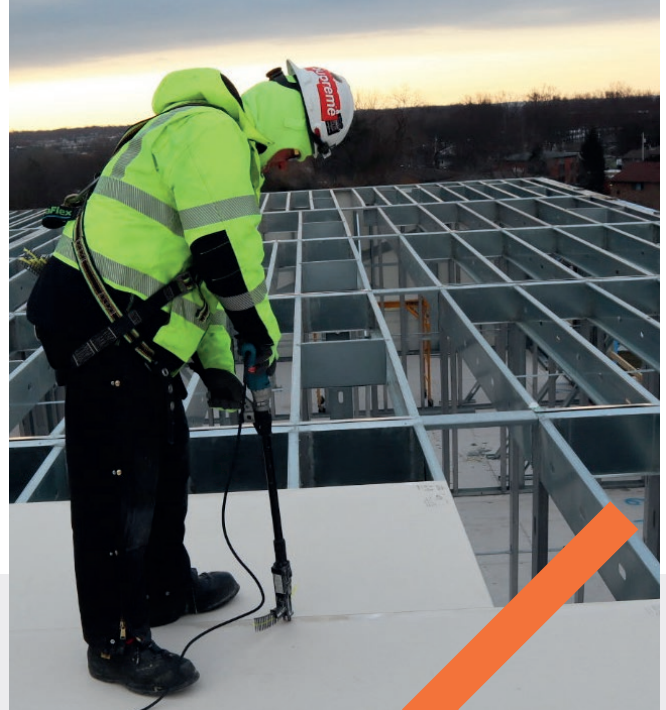
#### Sound Insulating

A unique formulation which can help building designers and contractors achieve critical sound ratings, with the ability to reach 55+ STC/IIC rated floor/ceiling assemblies.

#### Dimensionally Accurate & Stable

Manufactured to class-leading tolerances for on- and off-site precision. Resistant to water, meaning panels remains structural while wet, and will not delaminate, warp, expand or bow.





## Specification

Megaboard's unique formulation – a high density and quality of cementitious material around a six-layer fiberglass reinforcement mesh – has been developed over more than a decade and tested at labs throughout the US and Canada for class-leading results in everything from fire resistance and sound insulation to shear, deflection and shear diaphragm strength.



**3/4" structural building panel.**

**Factory sealed with tongue & groove end.**

**Worked with regular wood working tools (cuts with a standard carbide tip).**

**Mechanically fastened directly to steel (screwed) or wood (nailed) framing joists.**

**Durable, lightweight, silica and toxin free for easy on-site handling.**

**Covered with ceramic tile (with tile backer), hardwood, vinyl or carpet for finished floor.**

## Building Code Approvals:

- IAPMO certified and listed, non-combustible for use in all type of non-combustible constructions.
- More than 35 UL/ULC fire-rated assemblies available at 1 hr, 1.5 hrs and 2 hrs.
- State of California Approval (Cal-Fire).
- 2021, 2018 and 2015 International Building Code® (IBC).
- 2021, 2018 and 2015 International Residential Code® (IRC).
- 2019 California Building Code® (CBC) and 2019 California Residential Code® (CRC) – Supplement attached.
- 2020 Florida Building Code® (FBC), Building and Florida Building Code® (FBC) Residential – Supplement attached.



## MEGABOARD WALL SHEATHING

Megaboard Sheathing delivers remarkable shear strength, fire resistance and structural performance in a single layer solution.

Fastened to steel or timber-framing studs, Megaboard Sheathing can achieve more than 3,500 PLF nominal shear capacity to resist seismic and lateral wind forces on your building.

In common with all Megaboard products, Megaboard Sheathing is non-combustible per IAPMO listings for up to 2-hour fire rating, and has exceptional load-bearing strength.

Uniquely, these exceptional composite characteristics come from a single integral panel – a lightweight solution which cannot delaminate and is resistant to water, mold and insect damage.

### Features

#### Non-Combustible

Non-combustible per IAPMO listings (ASTM E136 – Non-Combustible). IBC & IRC approved for up to 2-hour fire ratings.

#### Strong

Shear capacity of more than 3,500PLF against seismic and lateral wind, plus exceptional structural load-bearing performance.

#### Quick & Simple to Install

Lightweight, durable and single trade fitted for on-site efficiency and reduced build times.

#### Water, Mold & Insect Resistant

Inorganic cementitious materials will not grow mold (per ASTM G 21 0/0), and ensure zero nutritional value for complete resistance to termites and all wood-boring insects.

#### Sound Insulating

A unique formulation which can help building designers and contractors achieve critical sound ratings, with the ability to reach 55+ STC/IIC ratings.

#### Dimensionally Accurate & Stable

Manufactured to class-leading tolerances for on and off-site precision. Resistance to water means panels remains structural while wet, and will not delaminate, warp, expand or bow.





## Specification

Megaboard's unique formulation – a high density and quality of cementitious material around a six-layer fiberglass reinforcement mesh – has been developed over more than a decade and tested at labs throughout the US and Canada for class-leading results in everything from fire resistance and sound insulation to shear, deflection and shear diaphragm strength.

5/8" and 1/2" wall sheathing panel.

Factory sealed with square end.

Worked with regular wood working tools (cuts with a standard carbide tip).

Mechanically fastened directly to steel (screwed) or wood (nailed) framing studs.

Durable, lightweight, silica and toxin free for easy on-site handling.

## Building Code approvals including:

- IAPMO Certified and listed, non-combustible for use in all type of non-combustible construction.
- 2 hrs. rated wall assembly tested with Intertek, certification pending.
- Shear wall certification pending with IAPMO.
- State of California Approval (Cal-Fire).
- 2021, 2018 and 2015 International Building Code® (IBC)
- 2021, 2018 and 2015 International Residential Code® (IRC)
- 2019 California Building Code® (CBC) and 2019 California Residential Code® (CRC) – Supplement attached.
- 2020 Florida Building Code® (FBC), Building and Florida Building Code® (FBC) Residential – Supplement attached.

## ABOUT ECTEK

Ectek Building Materials is the home of Megaboard, the non-combustible structural building panel which is transforming the way North America builds.

We are dedicated to a single product line and a single objective – manufacturing and delivering the very best building panel on the market today.

For more than a decade we have been continually improving the composition of Megaboard and testing the results with labs throughout the USA and Canada.

The result is a range of panels which stand out in every application, with superb deliverables from reduced handling weight to better fire resistance; from class-leading fastener pull and shear tests to exceptional deflection and shear diaphragm strength.

This innovation and testing is an ongoing process, guaranteeing continued quality and constantly improving product lines for our customers.

Contact us today to discuss how Megaboard could change the way you build.



# ectek

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