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OWENS CORNING LUMBER

STRUCTURAL FRAMING



PROUD MEMBER OF NADRA NORTH AMERICAN DECK AND RAILING ASSOCIATION

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OWENS CORNING LUMBER STRUCTURAL FRAMING

Owens Corning Lumber Structural Framing is a rotproof, rustproof composite alternative to traditional wood and steel. Designed to install like the lumber you use every day. Made to last.

- Wood-free composite lumber
- 7 profile sizes: 2" x 4", 2" x 6", 2" x 8", 2" x 10" and 2" x 12", 4" x 4", 6" x 6"



ENGINEERED TO PROTECT AGAINST WHAT PTL AND STEEL SIMPLY CANNOT

Unlike steel and PTL, this Structural Framing is a **GLAS-POWERED®** lumber that delivers strength from the inside out. Its enhanced wood-free design is reinforced with fiberglass technology, making it rotproof, rustproof and impervious to wood-born insects. This powerful ingredient ensures that the Structural Framing holds up exceptionally well under high live loads with durability that lasts a lifetime.



FASTER INSTALLATION PROCESS

- **Productivity accelerator:** material arrives ready to frame without traditional prep-work and sorting
- **Labor optimizations:** rotproof and water + ground contact rated means no wasted time and costs on taping + coating
- **Same tools, same trade same practices:** jobs get framed the way crews are used to building
- **More referrals, less callbacks:** builds stand tall as intended without PTL failures from cupping, warping, rotting, splintering
- **Proven solution to combat #1 premature fail point:** a better ledger board ensures stability, strength and safe-use for all



FINISHED LOOK THAT LASTS

- **Outdoor living designed for more life outdoors:** higher performing frame creates time-tested spaces
- **Unlock new designs:** classic woodgrain finish available in a palette of modern colorways
- **Fascia-free install:** no need to hide your framing with fascia and additional hardware/accessories
- **Uncompromised performance:** powered by Owens Corning's material science to ensure builds stand tall in all seasons
- **Code approved:** easy to reference product certifications from the leader brand in building products makes inspection easier

FEATURED APPLICATIONS

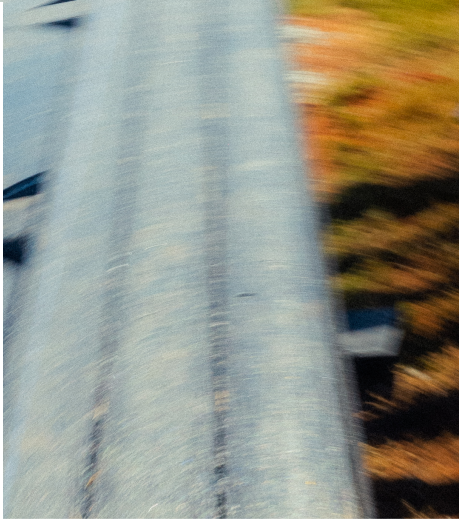
Ledger Board Safety and Installation

Stair Stringer Installation

Fence Installation













FRAMING AND POST PROFILES



2" x 4" (1.5" x 3.5")
Standard Lengths: 12', 16', 20'
Woodgrain: Both Sides



2" x 8" (1.5" x 7.5")
Standard Lengths: 12', 16', 20'
Woodgrain: Both Sides



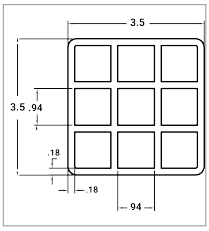


2" x 6" (1.5" x 5.5")
Standard Lengths: 12', 16', 20'
Woodgrain: Both Sides

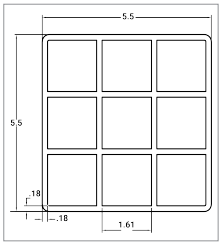


2" x 10" (1.5" x 9.25")
Standard Lengths: 12', 16', 20'
Woodgrain: Both Sides

2" x 12" (1.5" x 11.25")
Standard Lengths: 12', 16', 20'
Woodgrain: Both Sides



4" x 4" (3.5" x 3.5")
Standard Lengths: 8', 10', 12', 16'
Finish: Woodgrain



6" x 6" (5.5" x 5.5")
Standard Lengths: 10', 12', 16'
Finish: Smooth

STRUCTURAL FRAMING COLORWAYS

- Moonstone
- Stratus
- Mink
- Gobi
- Fog
- Saddlestone
- Obsidian

STRUCTURAL POST COLORWAYS

- White
- Light Gray
- Sand
- Weatherwood
- Driftwood
- Saddle
- Black

4"x 4" Posts will have a woodgrain finish. Check on availability of custom colors with your Owens Corning representative. Minimum order quantity may apply. Product samples available upon request. Actual product colors may vary due to printing or screen settings.





“It all changed when we started thinking differently about the cost of alternative framing because if we are buying a $130 deck board, our railing is $30 per linear foot and our fasteners are $1 a piece, then it does not make sense to put all this down on a joist that will rot in 10 years.”

-Kevin Choquette
@RavinBuilders

STANDARD PROFILES AND PACKAGING

PROFILE (IN)	ACTUAL DIMENSION (IN)	LENGTH			WEIGHT	NO. OF BOARDS PER BUNDLE
		12'	16'	20'		
		AVG WEIGHT PER BUNDLE (INCLUDES PACKAGING)				
2" x 4"	1.5" x 3.5"	1,844 lbs	2,460 lbs	2,954 lbs	1.83 lbs/ft	48
2" x 6"	1.5" x 5.5"	2,350 lbs	3,133 lbs	3,917 lbs	3.06 lbs/ft	64
2" x 8"	1.5" x 7.5"	2,102 lbs	2,802 lbs	3,502 lbs	4.17 lbs/ft	42
2" x 10"	1.5" x 9.25"	2,079 lbs	2,772 lbs	3,465 lbs	4.95 lbs/ft	35
2" x 12"	1.5" x 11.25"	1,201 lbs	1,602 lbs	2,003 lbs	6.26 lbs/ft	16

PROFILE (IN)	ACTUAL DIMENSION (IN)	LENGTH				WEIGHT	NO. OF BOARDS PER BUNDLE
		8'	10'	12'	16'		
		AVG WEIGHT PER BUNDLE (INCLUDES PACKAGING)					
4" x 4"	3.5" x 3.5"	1,114 lbs	1,392 lbs	1,671 lbs	2,228 lbs	3.57 lbs/ft	39
6" x 6"	5.5" x 5.5"	-	1,555 lbs	1,866 lbs	2,488 lbs	6.48 lbs/ft	24

PRODUCT PROPERTIES AND TESTING

PROPERTIES	COMPRESSION PARALLEL / COMPRESSION LOAD TO FAILURE	COMPRESSION	BENDING STRENGTH	MODULUS OF ELASTICITY	MODULUS OF RUPTURE	FLAME SPREAD INDEX
METHOD	ASTM D198	ASTM D143	ASTM D198	ASTM D4761	ASTM D4761	ASTM E84
DESIGN VALUES (2x)	700 psi	600 psi	1,400 psi	350,000 psi	1,400 psi	65–70
PROPERTIES	**COMPRESSION LOAD TO FAILURE**	**FLEXURAL STRENGTH (SIDE BENDING)**	**MODULUS OF ELASTICITY**	-	-	-
METHOD	ASTM D198	ASTM D6272	ASTM 198	-	-	-
DESIGN VALUES (4" x 4")	6,000 lbf	2,090 lbf	440,000 psi	-	-	-
DESIGN VALUES (6" x 6")	18,000 lbf	2,000 lbf	250,000 psi	-	-	-

Design values appropriate up to 125ºF for 2x profiles

Listed by CBI at https://www.cbitest.com/cl/ 2302-42, https://www.cbitest.com/cl/2307-07





CONTRACTOR TESTIMONIALS

Owens Corning Lumber Structural Framing delivers strength, durability, and an easy installation. Don't just hear it from us. Hear it from the pros who use it everyday.



"For our clients, Owens Corning Structural Framing injects long-term value into our projects by significantly increasing the effective life of our exterior structures."

-Jeremy Wilkins, Deck Van Gogh. - @deckmasterj



"I would never set my brackets ahead of time with traditional PTL because of the discrepencies. But with OC, when you eliminate the discrepencies in the board, you eliminate the discrepencies in your brackets and create a faster install experience."

-Jon Dawson, Dawson Co. - @Jon_Dawson



"Structural Framing that's trusted to lie in the mud like a filthy pig."

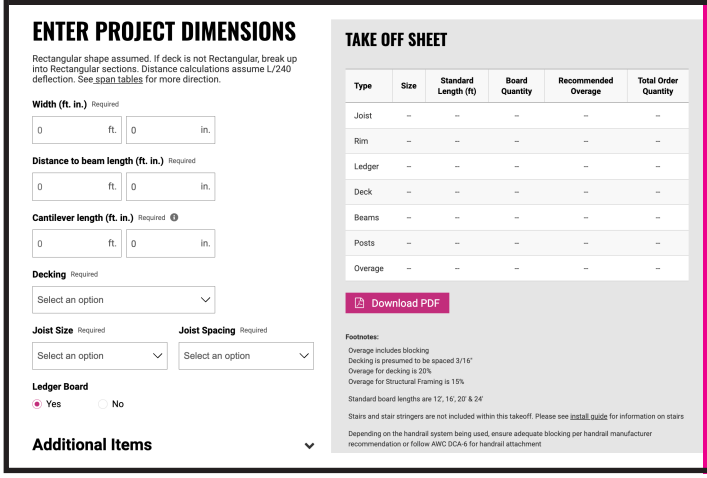
-Gordon South, Wood Bully Design and Build - @WoodBully



“Think of Owens Corning Lumber like if PVC and PTL had a baby sprinkled with fiberglass, it would be this beauty. It cuts like wood but the longevity you get doesn’t compare. There’s a reason this stuff is called forever framing.”

-Garrett Davis, GW Custom Decks - @thelifeofbub

MATERIAL TAKEOFF TOOL & TECHNICAL INFORMATION



PLAN SMARTER, FASTER.

Our Material Takeoff Tool helps you quickly generate a materials list to support your project planning. It’s a great starting point for estimating needs and streamlining your workflow. For design specifications, be sure to check out our technical documentation and span tables.

Scan for Takeoff Tool

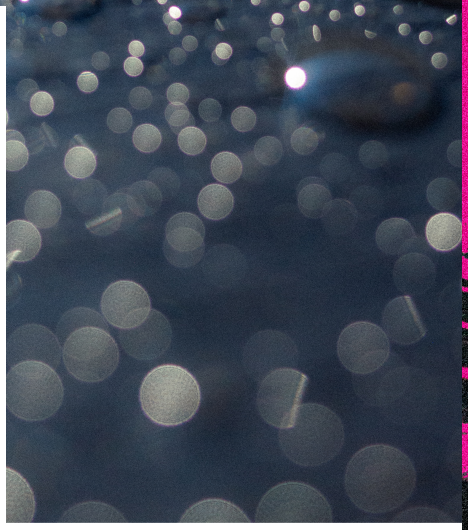
Scan for DRJ Listing

Scan for Span Tables















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