



OC™ LUMBER STRUCTURAL FRAMING FAQ



OC™ Lumber for deck framing is a rotproof, rustproof composite alternative to wood and steel. It is designed to install like the lumber you use every day, and deliver performance that enables safe, resilient, and durable structures.

Standards and testing methods

ASTM D7147

Standard Specification for Testing and Establishing Allowable Loads of Joist Hangers

ASTM D6109

Flexural Properties of Unreinforced and Reinforced Plastic Lumber and Related Products

ASTM E84

Surface Burning Characteristics of Building Materials



Performance data collected and published by DRJ Engineering, April 2023

What is OC™ Lumber made of?

It is made of High-Density Polyethylene (HDPE) reinforced with fiberglass (Advantex® Fiberglas™ by Owens Corning) for outstanding strength and durability.

Where is OC™ Lumber manufactured?

It is Made in the USA - Ocala, Florida.

What are the product dimensions & lengths available?

OC™ Lumber comes in 4 dimensions, and 3 standard lengths:

- 2"x4", 2"x6", 2"x8", and 2"x10"
- 12', 16', and 20'

What colors are standard?

OC™ Lumber for Deck framing standard colors are black, gray, sand, and white. We have additional colors available for special order.

For more information about colors, visit www.owenscorning.com/oc-lumber

How do I cut OC™ Lumber?

Just like you cut the lumber you use every day. We recommend a 40T blade with little to no color or ink on the blade. This ensures the blade ink does not transfer to your end cut.

Chop Saw: 40T Blade Jig Saw: 14 TPI Carbide

Do I need to seal the cut ends?

OC™ Lumber is non-porous and does not retain any moisture, so you don't need to seal our boards.

Do I have to wear a mask when cutting OC™ Lumber?

You must use the same PPE required when framing with wood. The dust generated when cutting OC™ Lumber doesn't produce airborne particles. We do recommend using a dust collection system when cutting it in small, confined spaces. Make sure to always wear long sleeves when cutting it, and gloves during dust clean up.

Visit www.owenscorning.com/oc-lumber and download our Safe Use Instruction Sheet.

Is OC™ Lumber rated for ground contact?

Yes. It is rated for ground contact and underwater applications.

What fasteners should I use when installing OC™ Lumber?

You can use the same fasteners that you pass inspection in your municipality when framing with wood.

Can I use OC™ Lumber as a drop beam in deck framing?

Yes. To learn more about the OC™ Lumber performance in drop beam applications check out the Case Studies section at www.owenscorning.com/oc-lumber and download the Drop Beam Performance bulletin (0002).

How should I store OC™ Lumber prior to installation?

Store it on a flat level surface with supports every two feet. Avoid laying loose boards on uneven surfaces or leaning boards

as they are more likely, like all composites, to bend toward that surface particularly in the high heat of summer.

Is OC™ Lumber code approved?

OC™ Lumber both meets and exceeds ASTM D7147, D6109, and E84 standards.

For more information, visit www.owenscorning.com/oc-lumber and download the OC™ Lumber Span, Deflection and Load Performance report by DRJ Engineering report.

Does OC™ Lumber have warranty?

Yes. OC™ Lumber has a limited lifetime warranty for residential applications, and a 25-year limited warranty for commercial applications. For more information, visit www.owenscorning.com/oc-lumber and download our warranty.

HOW WE BUILD NOW™

OC™ Lumber FAQ | July 2023