



Enables Product Innovation

Competitive Advantage – New Possibilities



FLEXIBLE - On-site ease of use

On-site sizing, drilling, cutting, handling, painting and finishing

Bonding & Fastening – In the field

- CarbonBar can be bonded by commonly used adhesives like polyurethane, epoxy and acrylates
- Common fasteners can be used. Pre-drilling or using self-tapping screws is recommended

No support? No problem...

CarbonBar is the right choice for re-enforcing cabinets and supporting heavy countertops, such as granite, quartz or butcher-blocks. Knee walls - not an issue.



(833) 423-7726

Order today

Visit us at: CFSpan.com



STRUCTURAL SOLUTIONS

8X

STRONGER
than steel
supports

Introducing the *NEW*

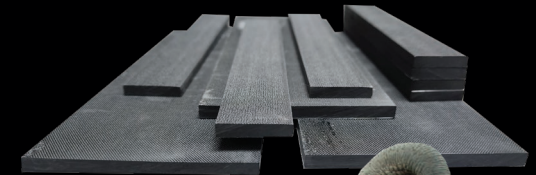


Countertop & Cabinet

Structural Support System

Weighing the BENEFITS

Easier - Stronger - Lighter - Lower Cost



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When versatility & performance matters

Why Carbon Fiber

CarbonBar is affordable and outperforms traditional materials like steel, aluminum and wood – and is now available. When superior strength, light weight and durability are critical in your product design, manufacturing and installation processes, CF CarbonBar solution is your answer.

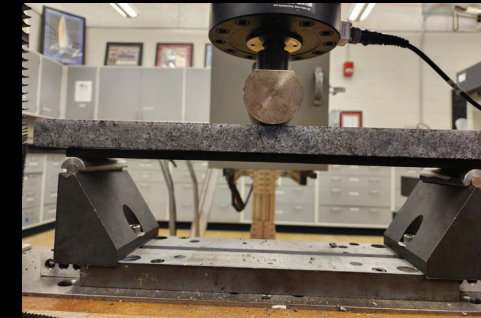
Cost reduction



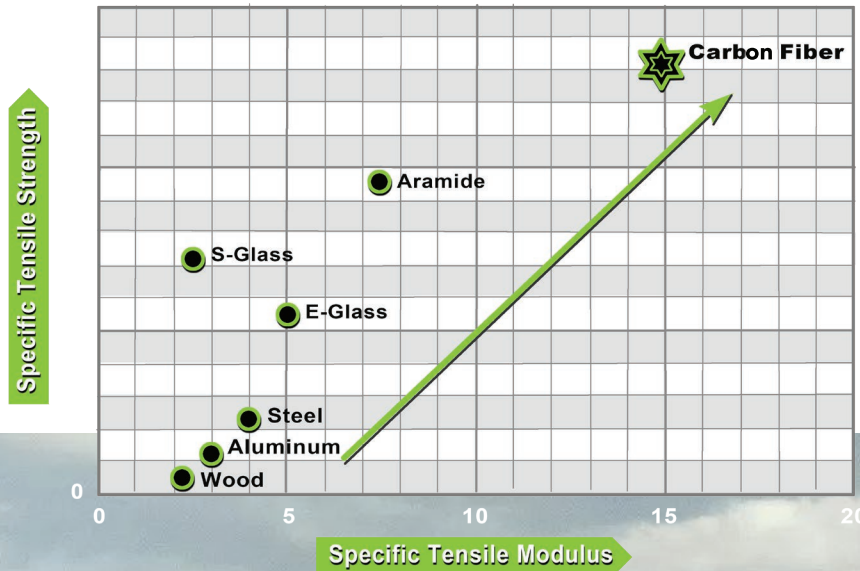
CARBONBAR
HIGH STRENGTH - LIGHT WEIGHT

Tested Performance

Material	Failure Load
Stone	450 lbs
Steel	750 lbs
CarbonBar 2"	4100 lbs
CarbonBar 4"	8200 lbs



Unmatched Strength!



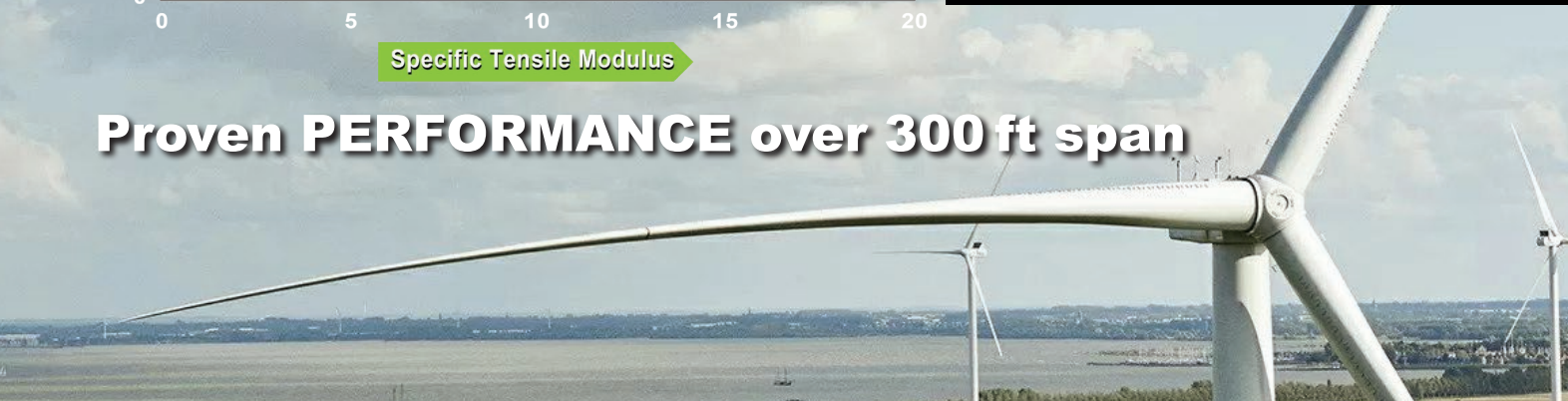
Material Comparison

	Steel	Wood	CarbonBar
Density (g/cc)	7.860	0.350	1.630
Tensile strength (Ksi)	80 (UTS)	11 (UTS - Axial)	272 (Axial)
Tensile modulus (Ksi)	29000	1209	27000 (Axial)
Compressive strength (Ksi)	22 (@ yield)	4.800	180
Compressive modulus (Ksi)	29000	9 (@ rupture)	20595 (Axial)
Flex modulus (Ksi)	29000	1241	19725

8X
Stronger
than STEEL

5X
Lighter
than STEEL

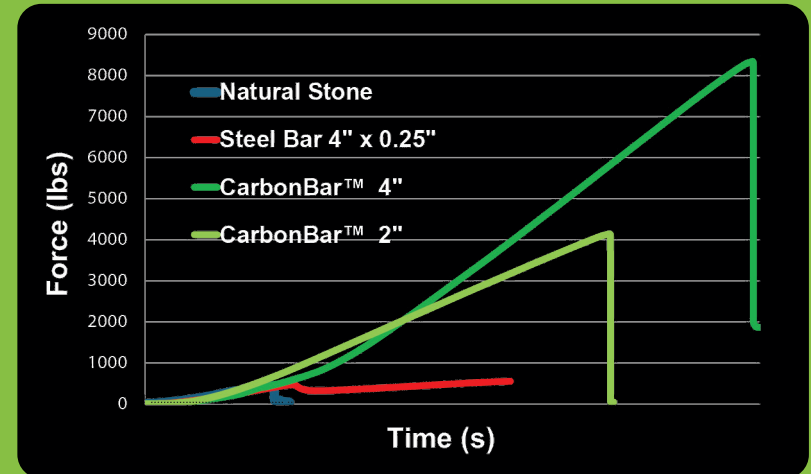
Proven PERFORMANCE over 300 ft span



Benefits

- Superior strength - 8X steel
- Proven performance - Aerospace
- Increased spanning capabilities
- Enhanced design flexibility
- Easier to work with & install
- Enhanced productivity

CarbonBar Outperforms Steel & Stone Countertop Support



8X

Stronger
than STEEL

NEW

Countertop & Cabinet Carbon Fiber Structural Reinforcement System

Easier installation - On-site flexibility



Benefits

- Superior strength-to-weight ratio
- Provides cabinet reinforcement
- Stronger more payload
- Enhanced, productivity
- Easy to build on existing material
- Better aesthetics, enhance your brand
- Lower cost than steel

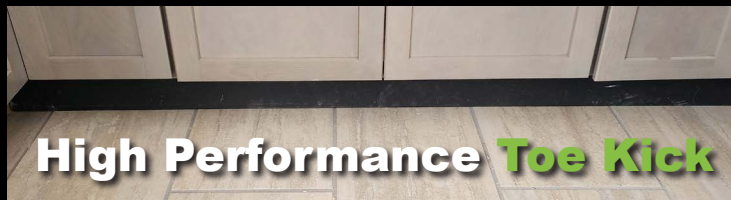


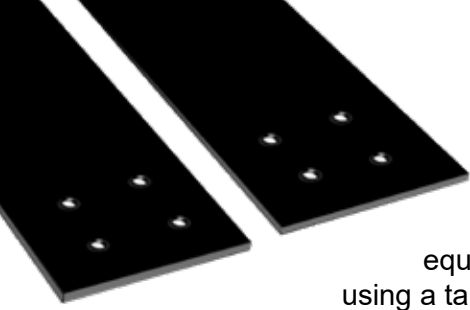
Order today

(833) 4CFSPAN

(833) 423-7726

High Performance **Toe Kick**





Versatile

On-site drilling, cutting, handling, sizing and finishing

For best results - standard carbide tipped construction tools or tile cutting equipment can be used to cut, trim and drill Carbon Bar material on the job site using a table saw, chop saw, drill or skill saw.



Assembling & Fastening

Bonding & fastening agents include:

Commonly used adhesives like polyurethane, epoxy and acrylates. Common fasteners can also be used - predrilling is recommended when possible. Self tapping screws are also an option.

- Can add strength with multiple layers
- Adhesion without welding
- Can bond to metal, wood, stone



Standard PPE



Standard PPE recommended



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Durability

- Weather and chemical resistant
- Maintains form in hot/cold weather – no warping or change in size
- Temperature stability (low thermal expansion)
- Does not corrode or rot
- Impervious to water, snow, wind and rain



Ease of Use

- Lightweight, safe and easy to manage in the field
- Flexible - easy to cut and size to fit
- Modular solution
- Minimal maintenance/upkeep
- Easy to build on existing materials to make them stronger, longer lasting
- Rapidly scalable
- Do it once – and you're done!
- Less prone to wear and tear compared to traditional materials

Build on your Innovative Strengths

- 1 Easy to build on existing materials to make them stronger, longer lasting
- 2 Incorporate CF Span products with existing construction techniques to dramatically improve performance and results
- 3 Adds tangible value with minimal effort
- 4 Elevates your product and services with innovative technology that benefits your customers and will span far into the future
- 5 One of the strongest reinforcing fibers with higher stiffness per density than metal, plastic or wood
- 6 Adhesion without welding

CUSTOMER Feedback...

I've been a Finish Carpenter since I came back from Vietnam and have continued to perfect my craft. I was introduced to the CarbonBar Structural Re-enforcement system for all my kitchen and bath jobs by CFSpan. It was unbelievable! Its strength, ease of working at the site for modifications - saved me time and money on every job - it is easily one of the best innovations I have seen in the structural support area for buidlings! I am never going to go back to steel!

- Jim Gerioux

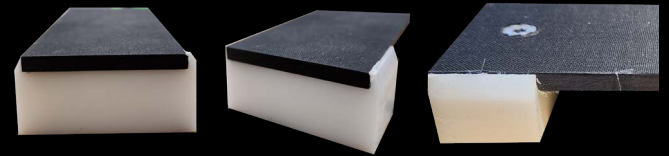


In the past, we've used conventional steel supports for all our kitchen and bath installations. The steel is heavy and hard to work with in the field and adds additional weight to where enhanced strength is needed. The New CarbonBar System delivers tremendous results - we can adapt in the field and provide superior support in strategic areas that provides my customers with a better product, more design choices AND IS ECONOMICAL!

- Josh Francis



The engineered CarbonConnect works together with the CarbonBar system to provide options and choices for multiple configurations, anchor points and uses.



On-site FLEXIBILITY - Ease of Use

Handling, Sizing, Cutting, Drilling, Painting and Finishing



Visit us at:
CFSpan.com

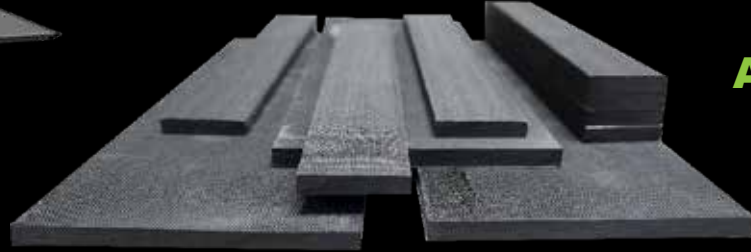
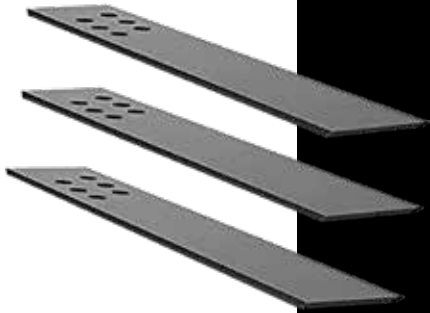


REDUCE weight and INCREASE structural integrity



SPAN
CARBONFIBER™

STRUCTURAL SOLUTIONS



Introducing the **NEW**

CF CARBON BAR™
HIGH STRENGTH - LIGHT WEIGHT

AFFORDABLE



Superior Performance - Cost Competitive

Endless Sustainable Possibilities

Carbon Bar outperforms traditional materials – like steel, aluminum and wood – and is now available at affordable pricing. When superior strength, light weight and durability are critical in your product design and production processes, CF Carbon Bar™ is your answer.

4X

**Stronger
than Steel**

5X

**Lighter
than Steel**

50%

**Lighter
than Aluminum**

25X

**Stronger
than Wood**

Visit us at: **CFSpan.com**

Why Carbon Fiber?

Stronger material to make better and more reliable products:

- 4X times stronger than steel
- 5X lighter than steel
- Corrosion resistant
- Weather proof
- Fatigue resistant
- Thermally stable
- Design flexibility
- Enables improved fuel efficiency
- Compatible with marine environment

Superior Strength - Unmatched



LIGHT WEIGHT

Material of choice for lightweighting

3.2 lbs

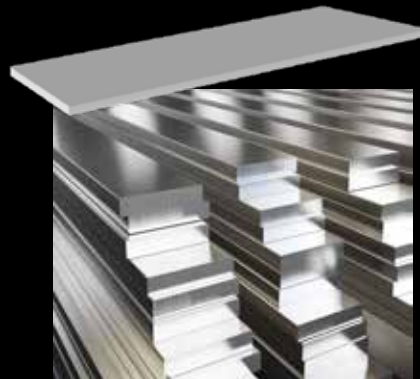
STEEL



Bar size: 12" X 4" X .20"

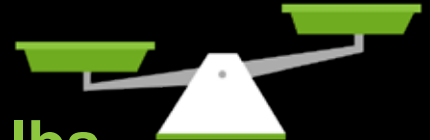
1.1 lbs

ALUMINUM



0.7 lbs

CARBON FIBER



Proven Performance & Reliability

Material of choice for high-tech industries like aviation, automotive, aerospace, energy and infrastructure.



	ASTM A36 Steel	Aluminum 6061-T4	American Eastern Wht Pine Wood	Dow Aksa's Carbon Fiber Laminate
	Steel	Aluminium	Wood (pine)	CF Carbon Bar™
Density	7.86 g/cc	2.7	0.35	1.63
Tensile strength (Ksi)	73 (max ultimate)	35 (ultimate)	11 (ultimate - axial)	272 (Axial)
Tensile modulus (Ksi)	29000	10000	1209	19725 (fibre direction)
Compressive strength (Ksi)	22 (@ yield)	8 (@ yield)	4.8	160
Compressive modulus (Ksi)	29000	10000	9 (@ rupture)	20595 (fibre direction)
Flex modulus (Ksi)	29000	10000	1241	19725

Selected for use in planes, cars, windmills, etc., due to its superior strength-to-weight ratio and other attributes. CF Span is now bringing affordable Carbon Fiber solutions to your markets and applications.



Affordability - Value

- Improved safety
- Superior product at affordable price
- Reduced maintenance and replacement costs
- Lighter weight leads to energy efficiency
- Reduced logistics costs
- Improved ergonomics
- Thermally stable



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CF Span is ready to collaborate with you and explore new opportunities, building on your strengths to make your products even better. Our affordable CF Carbon Bars will give you a competitive advantage – and make a difference for you and your customers.

KITCHEN SUPPORTS
 - Countertops - Stone - Toe Kicks - Floating Shelves

Countertop Supports

Stone Supports

Floating Shelves

Custom Toe Kicks

BUILDING & CONSTRUCTION

X Cross Bridging
 X Solid Blocking
 X Strapping

Innovation in Action

MARINE
 Pontoons/Boats

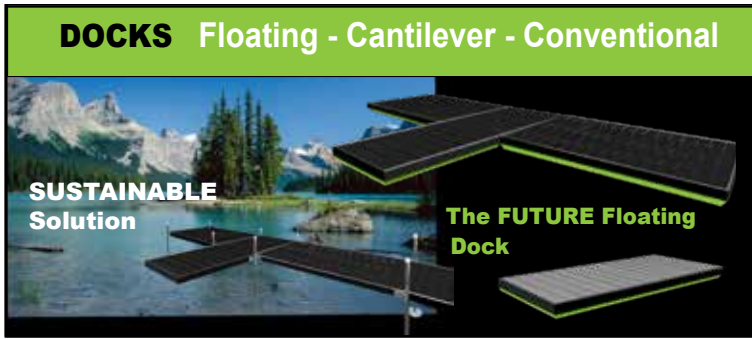
The Future of BOAT making

& Industries

Lightweighting

The New Carbon Bar reduces weight and optimizes strength – resulting in decreased emissions, and better fuel efficiency and handling while maintaining safety and comfort.

DOCKS Floating - Cantilever - Conventional



SUSTAINABLE Solution

The FUTURE Floating Dock

INDUSTRIAL Parts & Pallets

INNOVATION in Action!



Endless Possibilities

BRIDGE Structures

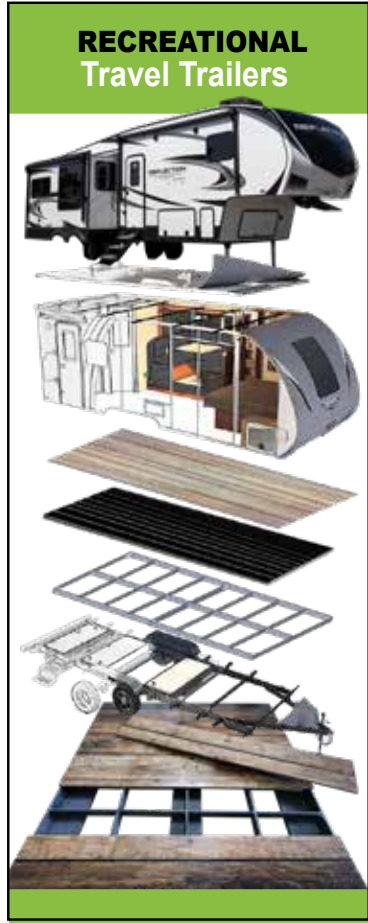
Footbridges

STRENGTHENING OF FULL SCALE CONCRETE BRIDGES WITH CF Span LAMINATES & WRAP

Reinforcement

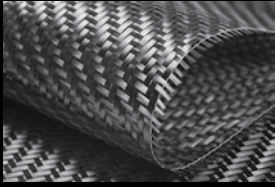


RECREATIONAL Travel Trailers



E - MOBILITY Structures





Explore the
POSSIBILITIES
with us!

Weighing the **BENEFITS**

Our 1.5 inch I-Beam Carbon Bar solution can hold up a mature elephant weighting over 18,000 lbs. Our superior strength and light weight features allow immense possibilities.



Order today

(833) 4CFSPAN

(833) 423-7726



Visit us at:

CFSpan.com

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