

Introducing the **NEW**



**CARBON BAR**  
HIGH STRENGTH - LIGHT WEIGHT

CarbonBar™ is a carbon-fiber based solution. It's a fully cured, Advanced Polymer Composite matrix – consisting of 70% carbon fiber and 30% polyurethane resin. This is a fully cured system – ready to use in the application. The CarbonBar™ is produced by DowAksa made by incorporating the polyurethane resin into the carbon fiber in a pultrusion process. The resultant product is the fully cured polymer composite and already used in other commercial applications.

#### **How does it add value in the countertop application?**

CarbonBar™ provides incredible strength to the countertop and cabinets where reinforcement is needed – to be used in place of steel bars. Improvement in strength of over 8 times versus steel bars when used with adhesive. It is lightweight, easy to transport and install, customizable on-site, enhance productivity and economical. (Please see enclosed brochure and insert0.

#### **How will it be used?**

The CarbonBar™ will be placed under the countertop – and bonded to the cabinet and countertop using commonly available adhesive. Like how steel bars are used – but a lot easier. The supports can be used with easy-install CarbonConnects™.

#### **What will the installers need to know about using this material?**

CarbonBar™ is simple to use – with the tools typically available with installers. (Some recommendations below)

**PPE needed:** (See below and Safe Use Guidelines)

#### **Installation procedure**

##### **Custom CarbonBar™ (Field customization)**

- a. **Measure** the length of CarbonBar™ required and mark with silver/gold marker. Also mark spots for drilling holes as appropriate for optimum support – to connect to cabinet frame.
- a. **Cut** CarbonBar™ to correct length using hand or chopsaw (Carbide tipped blade)
- a. **Drill** holes (using Countersink Carbide-tip drill bits)
- a. **Remove Peel Ply:** Prior to assembly, remove peel ply and sand edges (if applicable) to expose fresh surface. (Alternatively clean surface with a clean dry cloth.)
- a. **Apply structural adhesive** to surfaces and place countertop in position. If needed, attach screws – fastening CarbonBar™ to the cabinet frame. Use manufacturer recommended PPE.
- a. **Cleanup - Safely dispose of waste peel ply.** Use common/shop vacuum cleaner to remove dust after cutting/drilling.

#### CONTACT INFO

**1-833-4CFSPAN**

[sales@cfspan.com](mailto:sales@cfspan.com)

[www.cfspan.com](http://www.cfspan.com)

## Safe Use Guidelines

### Handling:

When handling CarbonBar™ CFSpan **strongly recommends**

- **using appropriate safety gloves** (as carbon slivers can be painful) and eye protection during ALL handling.
- **using** precautions include wearing **safety glasses**, a dust respirator, and protective clothing when **cutting, sanding or drilling**, to limit exposure to dust which is an irritant.

**Cutting:** We recommend carbide tipped or industrial diamond coated tools for ALL cutting operations.

### PPE Recommendations

*Advisory: These recommendations are based on our experiences. Users are advised to test and decide what works best for them based on their use case.*

**Gloves:** ANSI A9 Working Cut/Abrasion resistant gloves

**Mask:** N-95 Mask for occasional cutting or Respirator Masks for Continuous Daily Operations

**Eye-Glasses:** Standard Safety Eyewear

**Vacuum system/arrangement:** To safe remove carbon dust from cutting

**Waste disposal:** Waste peel ply and CarbonBar™ bits/dust can be put in common trash as they are completely solid/inert materials..

### CarbonBar™ DUST SAFETY:

Dust produced during cutting operations should not be inhaled. We suggest using a dust mask during cutting operations.

Further, dust generated during cutting is electrically conductive and as such can cause electrical shorts on power equipment. To mitigate this risk, we suggest cutting or sanding CarbonBar™ in conjunction with dust extraction and mitigation.

### Limited Warranty for Manufacturing Defects

This product is warranted by CF SPAN LLC ] to be free from defects in materials and workmanship for a period of 1 year from the date of original purchase ("Warranty Period"). This warranty is limited to the original retail purchaser and is not transferable.

#### What is Covered

This warranty covers the repair or replacement of defective parts at CF SPAN LLC's sole discretion.

#### What is Not Covered

This warranty does not cover:

- Defects caused by normal wear and tear, misuse, abuse, neglect, accident, improper installation, unauthorized modification, or alteration.
- Cosmetic defects that do not affect the product's functionality.
- Damage caused by use with incompatible accessories or parts.
- Damage caused by service performed by anyone other than [Manufacturer Name] authorized personnel.
- Products purchased from unauthorized retailers.
- Shipping costs for warranty service.

#### Obtaining Warranty Service

To obtain warranty service, please contact CF SPAN LLC Customer Service at [1-833-423-7726] or sales@cfspan.com during our business hours of 9-5 EST. You will be required to provide a copy of your dated proof of purchase.

#### Disclaimer of Warranties

THE WARRANTY SET FORTH ABOVE IS THE SOLE AND EXCLUSIVE WARRANTY WITH RESPECT TO THE PRODUCT, AND CF SPAN LLC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO WARRANTIES APPLY AFTER THE WARRANTY PERIOD SET FORTH ABOVE.

#### Limitation of Liability

CF SPAN LLC shall not be liable for any incidental, special, consequential, or punitive damages arising out of or related to the product or its use, to the maximum extent permitted by law (State of Michigan). This includes, but is not limited to, damages for lost profits, business interruption, loss of data, or personal injury.