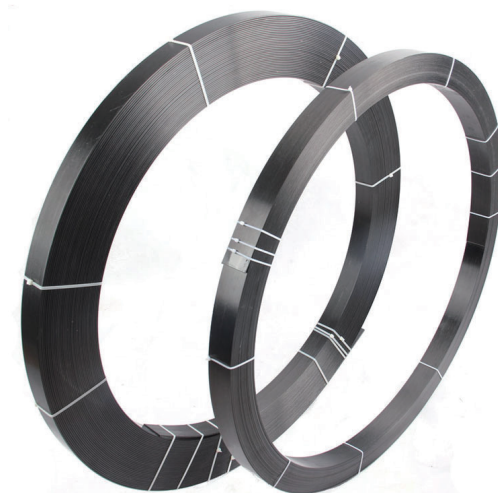


# FSL

## | Carbon Fiber Laminate

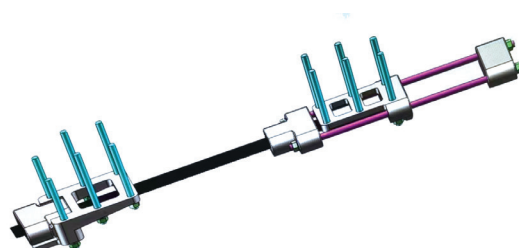
FIDTRONG's FSL Carbon Fiber Laminate is created using strong carbon fiber and high-quality epoxy resin in a high-temperature, advanced process. The outcome is a highly durable laminate, ideal for structural use, offering excellent load-bearing capacity, strength, and corrosion resistance.



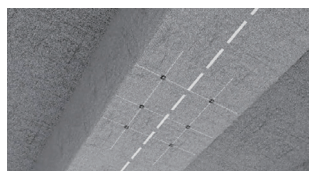
### Specifications

Spec.	Size(thickness*Width)	Tensile Strength	Elastic Modulus	Length/Roll
FSL 1205	1.2mm*50mm	> 2800MPa	> 160GPa	100 meter/roll
FSL 1210	1.2mm*100mm	> 2800MPa	> 160GPa	100 meter/roll
FSL 1405	1.4mm*50mm	> 2800MPa	> 160GPa	100 meter/roll
FSL 1410	1.4mm*100mm	> 2800MPa	> 160GPa	100 meter/roll
FSL 2005	2.0mm*50mm	> 2800MPa	> 160GPa	100 meter/roll
FSL 2010	2.0mm*100mm	> 2800MPa	> 160GPa	100 meter/roll
FSL 2010	3.0mm*50mm	> 2800MPa	> 160GPa	100 meter/roll

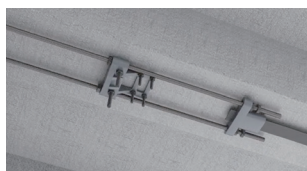
FIDTRONG's FSL Carbon Fiber Laminate, used with FIDSTRONG prestressed anchors, helps buildings to manage weight proactively. When tensioned with the anchors, the laminate improves the building's load capacity and performance. This combined system is an efficient way to distribute weight in construction projects.



### Installation



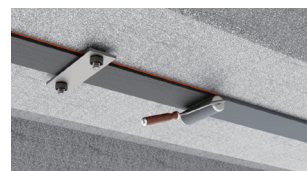
Layout and Marking



Installation



Tensioning



Curing and Finishing

# FSE-362

## | Carbon Fiber Laminate Epoxy

FSE 362 is a specialized adhesive commonly used for bonding carbon fiber laminates in structural reinforcement applications. It is designed to provide high strength, durability, and excellent adhesion properties specifically tailored for bonding carbon fiber composites.



### Properties

Packaging	30kg/set, 15kg/set, 6kg/set
Color	Grey, White. Mixture: light grey.
Shelf Life	18 months (4 °C ~ 32 °C)
Mix Ratio	A:B = 3:1 by weight
Service Temperatures	+5 °C min. / +40°C max.
Operable time	150 minutes (10°C); 50 minutes (23°C); 40 minutes (30°C)
Consumption	3–4 kg/sqm
Thixotropic Index	4.0 min
Sagging Mobility (25°C)	2.0 max
Density after Curing	1.4 g/cm <sup>3</sup>
Tensile Strength (ASTM D638)	62 MPa
Tensile Modulus (ASTM D638)	8000 MPa
Elongation at Break (ASTM D638)	2.07 %
Compressive Strength	117 MPa

### Transportation and storage

**Storage** – Store in a dry, clean space with temperatures between –5°C and 40°C. Do not expose to direct sunlight or rain. Keep components A & B separate. If stored at room temperature (25°C), its shelf life is 18 months. If exceeded, test before use.

**Transportation** – These products are safe, non-flammable, and non-toxic. They can be transported like general cargo. Ensure epoxy containers are not damaged or exposed to sunlight or rain, and are not tilted or stored upside-down during transport.