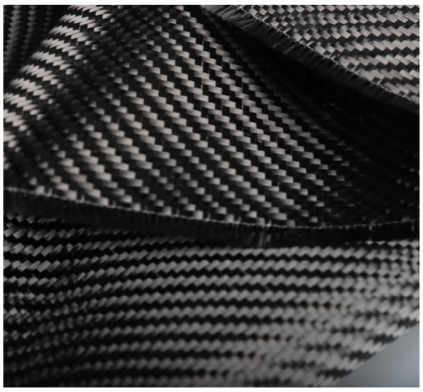
UNIDIRECTIONAL CARBON FIBER FABRICS



MAIN APPLICATION

Concrete beam bending and shear reinforcement, plate bending reinforcement, columns and other seismic reinforcement. Industrial and civil buildings reinforcement, road and bridge, water conservancy, nuclear power and energy and other infrastructure reinforcement.

PROPERTY

1. Light weight, easy to construct, and little increasing the weight on constructed based materials.
2. Soft, free to cut, is suitable for a variety of shapes structures, and have close adhesion with reinforced concrete surface.
3. The thickness is small, so it is easy to overlap.
4. High tensile strength, high flexibility, and have the same effect as to use steel plate reinforcement.
5. Anti-acid and alkali, corrosion resistance, and can be used in any harsh environment.
6.The supporting epoxy resin impregnated adhesive (recommended our company matching epoxy adhesive)have good permeability, the construction is simple and time required is short.
7. Non-toxic, non-irritating odor, living still in construction.
8. Carbon fiber fabrics has high tensile strength, which is equivalent 10 - 15 times to ordinary steel.

TECHNICAL DATA

No.	Fiber Spec.	Tensile Strength (Mpa)	Weight (gsm)	Thickness	Width (mm)
UD-F200	12K	≥3400	200	0.111	100-500
UD-F300	12K	≥3400	300	0.167	100-500
UD-F600	12K	≥3400	600	0.45	100-500