EPOXY RESIN FOR CARBON FABRIC

Epoxy resin is commonly used as both a matrix material and adhesive for carbon fabric composites. It serves a dual purpose by providing the bonding strength between layers of carbon fabric as well as acting as a matrix to encapsulate and reinforce the carbon fibers.

The high strength, excellent bonding properties, and versatility of epoxy resin make it a preferred choice for adhesive applications with carbon fabric. Its ability to provide strong adhesion, durability, and chemical resistance contributes to the overall performance and longevity of carbon fabric composite structures.

Technical Data Sheet:

APPEARANCE	Component A: transparent viscous liquid	OPERABLE TIME (MIN) (25℃):	>30
	Component B: brown viscous liquid	FINGER TOUCH DRY TIME (20 ℃, H)	1~2
BONDING STRENGTH:	C60 concrete damage	MIXTURE RATIO（BY WEIGHT）	2:1
VISCOSITY OF MIXTURES:	4000-6000 Pa.s	CURING MATERIAL DENSITY	1.10±0.10g/cm^3
STEEL–STEEL BONDING STRENGTH	≥14 Mpa	PULLING ADHESION STRENGTH WITH CONCRETE	≥ 2.5 Mpa
TENSILE STRENGTH	≥ 45 MPa	TENSILE ELASTIC MODULUS	≥ 2500 Mpa
ELONGATION	≥ 2.5 %	BENDING STRENGTH	≥ 70 Mpa
COMPRESSIVE STRENGTH	≥ 77 Mpa		

COMMENTS: *We do customized production as per projects requirement. Customized packing are also available.*

No.15 Yuanding Road, Dingqiao Town, Haining City, Zhejiang Province, China.
Web: www.anjiezj.com, email: infoaj@anjiezj.com, +8618767392086