

HM-Carbon fiber adhesive

HM-180

Primer Use as primer when applying carbon fiber fabrics in concrete structure strengthening

- Characteristics**
- Low viscosity
 - Strong penetration
 - Epoxy modified
 - High modulus
 - Moisture tolerant

Technical Data	Pot life	>30min
	Finger touch dry time(25℃)	1-2h
	Bonding strength	C60 concrete damage
	Steel-steel tensile shear strength	≥20MPa adhesive cohesion damage
	Steel-concrete pulling bonding strength	≥2.5MPa concrete cohesion damage
	Steel-steel T impact stripping length	≤25mm
	Mixing ratio	A:B=2:1
	Usage	0.2-0.3kg/m ²

HM-180CE

Levelling Used as repair putty for substrate surface

- Characteristics**
- Good thixotropy
 - Epoxy modified
 - High modulus
 - Moisture tolerant

Technical Data	Pot life	>40min
	Operating temperature	5-40℃
	Finger touch dry time(25℃)	1-2h
	Steel-steel bonding strength	Shear: 20MPa Tensile: 35MPa
	Mixing ratio	A:B=2:1

HM-180C3P

Impregnated Used as impregnating resin in HM carbon fiber strengthening system

Characteristics	■ Good compatibility with carbon fiber
	■ Good penetration, can easy infiltrate into the concrete surface
	■ Ageing,moisture & corrosion resistance performance are excellent
	■ Good performance after curing ,with strong toughness and a certain degree of elasticity

Technical Data	Pot life	>60min
	Operating temperature	5-40℃
	Finger touch dry time(25℃)	1-2h
	Standard tensile strength	≥38MPa
	Elastic modulus	≥2400MPa
	Ultimate elongation	≥1.5%
	Thixotropy index	≥3.0
	Steel-steel adhesive tensile strength	≥40MPa
	Steel-steel T impact stripping length	≤20mm
	Usage	0.7-0.9kg/m ²

Remarks	Store in cold and dry environment, shelf life is 18 months. Non-dangerous cargo, can be delivered as normal cargo
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Procedure	1. Surface treatment	4. Applying epoxy resin adhesive
	2. Applying primer	5. Applying impregnated adhesive again
	3. Levelling	6. Curing and conservation

