

## HM-120M

Advanced, low-viscosity, moisture-tolerant structural perfusion adhesive

<b>Description</b>	HM-120M is a two components, moisture tolerant, high strength, formulated specifically for externally steel plate wrapped perfusion grade A epoxy resin	
<b>Application</b>	<ul style="list-style-type: none"> <li>■ Steel bonded reinforcement of reinforced concrete, old and new buildings bending drawknot components.</li> <li>■ Wet steel-encased reinforcement</li> <li>■ Concrete crack pouring or casting steel-bonded reinforcement</li> <li>■ Adhesion of other building components</li> </ul>	
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>■ Using modified epoxy resin, without any solvent safe and non-toxic</li> <li>■ Fast load to the building structure, strong bonding force, large compression and tensile resistance</li> <li>■ Construction in wide temperature range, no precipitation, simple construction, good process performance</li> <li>■ Good acid-alkali resistance and aging resistance properties, low moisture sensitivity, small contractions</li> <li>■ Suitable for almost all building substrates.</li> </ul>	
<b>Technical data</b>	Viscosity (Mpa·s)	Component A:600 Component B:2100
	Density(g/cm <sup>3</sup> )	1.2±0.1
	Operable time(25°C, h)	2
	Finger touch dry time(25°C, h)	12
	Applicable period(25°C, min)	60
	Adhesive compressive strength(Mpa)	≥65
	Adhesive Tensile strength(Mpa)	≥30
	Steel-steel anti-shear strength(Mpa)	≥15
	Steel-steel Tensile strength(Mpa)	≥33
	Mixture ratio (Weight Ratio)	A:B=2:1
	Tensile elastic modulus(Mpa)	≥2.5*10 <sup>3</sup>
	Elongation(%)	1.2%
	Bending Strength(Mpa)	≥45
	Distortion temperature(°C)	65
	Pulling adhesion strength along with concrete(Mpa)	≥2.5
	Steel-steel T impact stripping length(mm)	≤25
<b>Packing</b>	30kg/pail Component A:20kg Comonet B:10kg	

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**Attention**

Proctive measures such as wearing masks, gloves, goggles etc., is necessary. Do not expose outside for long time. If it is swallowed or dipped into eyes, please seek medical service at once

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**Procedures**

1. Substrate treatment
2. Position&paying off
3. Polish steel angle & plate
4. Fixing steel skeleton
5. Welting batten plate
6. install nozzles & gas vents
7. seal the crack
8. Air pressure testing
9. Perfusing the adhesive
10. Curing&conservation
11. Hollow inspection
12. Coating

