

## HM-500 Epoxy Injectable Adhesive Non-sag Gel

**Description** HM-500 Epoxy Injectable Adhesive is a multi-purpose, two components, high strength, high modulus moisture-tolerant adhesive, used for anchoring

Application	Characteristics
■ Planting steel bars and bolts in concrete structure	■ Modified epoxy resin, no styrene
■ Curtain wall & stone dry hanging brackets' reinforcement	■ High strength & modulus, good toughness
■ Building structure reinforcement & framework anchoring	■ Aging, heat resistance
■ Various equipments' basic fixation	■ Moisture tolerant, long term load stability in a damp environment
■ Steel structures and concrete structures anchoring connection	■ Acid & alkali, seismic resistance, no expansion
■ Reinforcement for highway, bridges, water conservancy projects rebuilding	■ Excellent thixotropy, especially suitable for anchoring the side or top.
■ Reinforcement for advertisement boards, the noise barriers & barricades	■ Simple straight mixed package, with special glue mixing nozzle

HM-500 will cure underwater & retain its strength, however hole needs to be clean and free of particles, mud or debris and NOT in flowing water



TXDOT Approved for Type III, Class C Epoxy adhesives and can be used on any Texas Highway Project applicable to these Type/Class requirements

### Technical data

Viscosity of Mixture	18-22Pa·S
Splitting tensile strength	≥8.5MPa
Bending strength	≥50MPa
Compressive strength	≥60MPa
Thixotropy index	≥4.0
Distortion temperature	≥65℃
Steel-steel tensile shear strength C30, φ25,	≥16MPa
L=150mm condition tensile strength	≥11MPa
C30, φ25, L=125mm condition bonding strength	≥17MPa
Steel-steel T impact stripping length	≤25mm

### Cure Table

T(°C)	Pot life & curing time (according to the temperature)				
	-5	0	10	20	≥30
Ot (min)	60	45	30	25	20
Ct(h)	72	48	24	12	6

### 2 Part Epoxy Tube and Injector



## HM-500 Pricing

<b>Packing (1 Case minimum)</b>	390ml/pc & 30pcs/ctn	\$20.00 USD each
<b>Every Case comes with 1 FREE Standard applicator gun</b>		(2-part epoxy tube and injector)
<b>1-Pallet 2.5% Discount</b>	Qty 10 cases per 300pcs/pallet	\$19.50 USD each
<b>Every Pallet comes with 10 FREE Standard applicator guns</b>		
<b>Additional Qty Discounts</b>		
<b>2-Pallets 5% Discount</b>	Qty 10 cases per 600pcs	\$19.00 USD each
<b>5+ Pallets 7.5% Discount</b>	Qty 3000+ pcs	\$18.50 USD each

## Applicator guns

\$30.00 USD Standard applicator gun (carbon steel & plastic parts)

\$60.00 USD Superintendent High Quality gun (Aluminum/carbon steel & Stainless construction)

## Application Procedure

### Remarks & Specifics

Mix ratio: A:B=3:1

Density after curing: 1.5±0.1g/cm<sup>3</sup>

Usage:  $\pi \cdot 1/2d^2 \cdot h \cdot 2/3$  (D=depth/H=dia)

- 1** Drill appropriate size & depth of hole
- 2** Safely blow & clean out the hole with air & wire brush
- 3** Use the injector nozzle fill 2/3 of hole
- 4** twist ONE direction push & insert rebar/bolt to bottom
- 5** Use curing time table for proper use before loading

