



## TECHNICAL DATA SHEET

Great Epoxies, Great Price...

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**Product Name:** Epoxymix Injection Cartridge  
**Product Code:** VSB-AE-**Fastcure** 400ml (VeryStrongBond-AnchorEpoxy 400ml)  
**Manufacturer:** Under licensed for;.  
Pathfinder Systems Australia P/L  
Unit 3-95 Jemma Road  
Prestons. NSW 2170  
**Telephone** 61 2 96086019  
**Website:** www.epoxymix.com.au

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**Product Description:** Solvent-free, epoxy resin based, two part high performance anchoring adhesive.

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**Uses:** **For the fixing of non-expanding anchors in the following:**

- For structural work:
  - P Rebar / steel reinforcement anchoring in new and refurbishment works.
  - P Threaded rods
  - P SST Bolts and special fastening systems
- Mechanical and electrical services installation
  - P Anchoring of supports for ducting and equipment.
- Metal Work, carpentry
  - P Fixing of handrails, balustrades and supports
  - P Fixing of railings
  - P Fixing of window and door frames

*For fixing of the following substrates:*

- P Concrete
- P Hard natural and reconstituted stone
- P Solid rock
- P Hollow and solid masonry
- P Steel
- P Wood

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**Characteristics & Advantages:**

- P **Load time 4 hrs\***
- P **Can use in damp area**
- P High load capacity
- P Non-sag, even overhead
- P Styrene-free
- P Low odor
- P Non contraction after harden
- P **High stability**

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**Test Report:**

Test Item	Test Method	Test Result
Density (g/cm <sup>3</sup> )	ASTM D792-00 Method A	1.6
Gel Time (min.)	ASTM D2471-99	20
Bond Strength (psi)	ASTM C882-99	1495
Water Absorption (%)	ASTM D570-98	a. 100°C / 1hr 0.142
b. 50°C / 1hr		0.092
Compressive Strength (psi)	ASTM D695-02a	12215
Tensile Strength (psi)	ASTM D638-03	5810
Elongation at Break (%)		4.70

Pressure	Destroy Haul Strength (kgf)	Safety Haul Strength (kgf)	Ring Standard (mm)		
Concrete Strength	4000 psi	4000 psi	Hole Diameter	Hole Depth	
Steel Strip No.	#3 (Φ10)	3600	1646	13	90
	#4 (Φ13)	5760	2879	16	115
	#5 (Φ16)	15080	4570	20	125
	#6 (Φ19)	22920	6708	25	160
	#8 (Φ25)	29586	10749	32	215
	#10 (Φ32)	34431	15046	40	300

\*\*\* For information only - not for specification purposes. \*\*\*

**Product Data:**

Colours: Part A: White  
Part B: Black / Red  
Mixed: Gray / Pink

Mix ratio: 3:1

Packaging: 20 cartridges per carton, each cartridge with 1 mixer nozzle.

**Order information**

Size:		400ml
Product		VSB-AE- <b>Fastcure</b>
Pneumatic Dispensing Tool:		FX-GUN400
Case Qty:		20
Pallet Qty:		1200

Storage condition & Shelf-Life: 24 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight.

\*\*All cartridges have the expiry date printed on the label.\*\*

**Technical Data:**

Density: Part A: 1.82 - 1.88 kg/l  
Part B: 1.54 - 1.70 kg/l  
1.80 - 1.87 kg/l (part A+B mixed)

Gel and loading times:	Application Temperature (°C)	Gel Time (min.)	Loading Time (hr.)
	30~40	5	2
	20~30	8	4
	10~20	15	8
	5~10	30	12

Sag Flow: Non-sag, even overhead.

Layer Thickness: 5 mm max.

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### Application Conditions / Limitations

Substrate Temperature +10°C min. / +45°C max.

Ambient Temperature: +10°C min. / +45°C max.

Material Temperature: Must be at a temperature of between +5°C and +40°C for application.

Dew Point: Beware of condensation!

Substrate temperature during application must be at least 5°C above dew point.

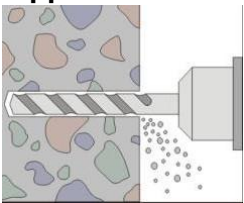
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### Application Instructions:

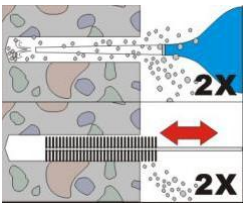
Mixing: Part A : part B = 3 : 1 by volume

1. Discard an initial amount of adhesive until two parts mixes and become 1 solid colour
2. In cold weather for easier dispensing, place cartridge in container of warm water.

### Application Method:

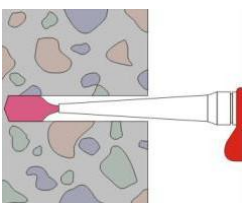


Drilling of hole with an electric drill to the diameter and depth required. Drill hole diameter must be in accordance with anchor size.

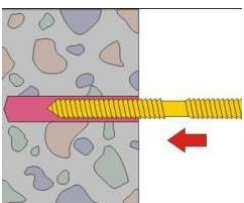


The drill hole must be cleaned with a blow pump or by compressed air, starting from the bottom of the hole. (at least 2x)

The drill hole must be thoroughly cleaned with the special steel brush (brush at least 2x). The diameter of the brush must be larger than the diameter of the drill hole.

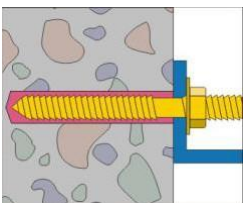


Inject the adhesive into the hole, starting from the bottom, while slowly drawing back the static mixer. In any case avoid entrapping air. For deep holes extension tubing can be used.



Insert the anchor with a rotary motion into the filled drill hole. Some adhesive must come out of the hole.

\*\*Important: the anchor must be placed within the open time.



During the resin hardening time the anchor must not be moved or loaded.

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### Health and Safety Information:

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.