



Great Epoxies, Great Price...

Technical Data Sheet

Product Name: Epoxymix Injection Cartridge
Product Code: VSB-AE-**Construction**
Manufacturer: Pathfinder Systems Australia P/L
Unit 3-95 Jemma Road,
Prestons NSW 2170
Telephone/Fax: 61 2 96086019
Website: www.epoxymix.com.au

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

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

Characteristics & Advantages:

- P Non-cracked concrete
- P **Can use in damp area**
- P **High load capacity**
- P Non-sag, even overhead
- P Styrene-free
- P Low odour
- P non contraction after harden
- P **High stability**



Test Item	Test Method	Test Result
Density (g/cm ³)	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	0.142
a. 100°C / 1hr 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)	Working Standard (mm)	
Concrete Strength	4000 psi	4000 psi	Hole Diameter	Hole Depth
Steel Strip No.	#3 (Φ10)	3233	13	90
	#4 (Φ13)	4547	16	115
	#5 (Φ16)	9767	20	125
	#6 (Φ19)	16660	25	160
	#8 (Φ25)	27114	32	215
	#10 (Φ32)	38624	40	300

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

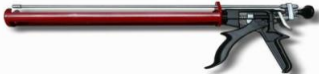
Product Data:

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

Mix ratio: 6:1

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

Order information

Size:	360ml		
Product	VSB-AE-Construction		
Pneumatic Dispensing Tool:	FX-GUN 345S		
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	14	5
	20~30	28	10
	10~20	60	18
	5~10	240	40

Sag Flow: Non-sag, even overhead.

Layer Thickness: 5 mm max.

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.

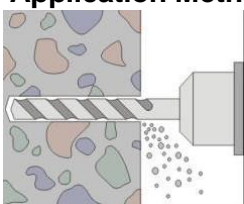
Dew Point: Beware of condensation!
Substrate temperature during application must be at least 5°C above dew point.

Application Instructions:

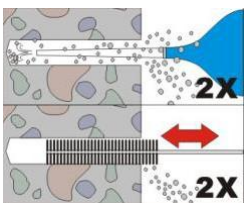
Mixing: Part A : part B = 6 : 1 by volume

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.

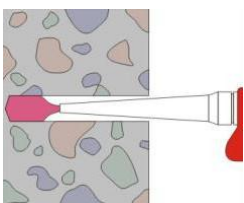
Application Method:



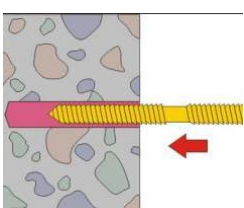
Drilling of hole with an electric drill to the diameter and depth required.
Drill hole diameter must be in accordance with anchor size.



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.

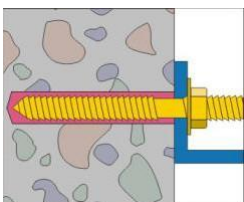


Inject the adhesive into the hole, starting from the bottom, while slowly drawing back the static mixer. In any case avoid entrapping air. For deep holes extension tubing can be used.



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.

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.