

# Pathfinder Systems Australia P/L

Unit 3-95 Jemma Road Prestons  
NSW  
Tel: 02 96086019 Fax: 87837869

## TECHNICAL DATA

Product Name:	Epoxy mix
Product Code:	VSB-REP-Stone2.5 lit (VeryStrongBond-RepairEpoxyPutty-Stone 2.5 lit)
Manufacturer:	Unlicensed for; Pathfinder Systems Australia Unit 3 95 Jemma Road. Prestons NSW
Telephone/Fax:	<b>Tel:</b> 02 96086019 <b>Fax:</b> 87837869
Website:	<a href="mailto:sales@pathfindersystems.com.au">sales@pathfindersystems.com.au</a>

- Application of:
  - Bonding for dimension stone.
  - Adhesive leveling/patching compound for concrete, mortar, renderings, steel.
  - Bonding and fixing sheet metal, latch and screw under dry conditions.
  - Firmly bonding ceramic tiles.
  - Bonding cement walls with dimension stone.

- Property:

Product: VSB-REP-	PART A	PART B
Main Components:	Epichlorohydrin Bisphenol A	Modified Amine
Appearance:	White pasty substance	Black pasty substance
Specific Gravity ( 25°C )	2.3 ± 0.1	2.4 ± 0.1
Mixing Ratio (V/V):	1 to 1	
Working Time:	5minutes ( 25°C / 20g )	
Hardening Time:	30minutes ( 25°C / 20g )	
Time for Full Hardening:	24 hr ( 25°C / 20g )	

- Tensile shearing strength:

**Conserve at 25°C for 10 days.**

Lap shear Strength :	ASTM	D1002	Fe-Fe	104 kg / cm <sup>2</sup>
Tensile Strength :	ASTM	D638	Fe-Fe	141 kg / cm <sup>2</sup>
Compressive Strength :	ASTM	D695	Fe-Fe	606 kg / cm <sup>2</sup>
Flexural Strength :	ASTM	D790	Fe-Fe	316 kg / cm <sup>2</sup>
Impact Strength :	ASTM	D256	0.28 ( ft-lbf / in of notch )	
Water Absorption % :	ASTM	D570	0.55 ( 23°C×24hrs)	

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

APPLICATION PROPERTIES	RESULTS	TEST METHOD
Work Life, minutes@20°C	5	ASTM D2471-99
Shelf Stability @20°C months	24 months	
Hardness, Shore D (full cure, 1 hour)	75-85	ASTM D-2240-05
Lap Shear Tensile Strength On steel (N/mm <sup>2</sup> )	26.2	ASTM D-1002-01
Density, gm/cm <sup>3</sup> (Comp A+B)	1.63	ASTM D792-00 Method A
Compressive Strength, (N/mm <sup>2</sup> )	65-68	ASTM D695-02a
Shrinkage, %	0	ASTM D2566
Flexural Strength(N/mm <sup>2</sup> )	43.8	ASTM D790-03
Tensile Strength(N/mm <sup>2</sup> )	20.7	ASTM D638-03
Non-Volatile Content, %	100	
Ratio(resin: hardener)	1.1:1 (by weight)	
Color After Cure	light Beige	

### Order information

Product	VSB-REP-Stone
Size	A = 2.5 lit. B = 2.5lit
Case Qty:	2xA,2xB

Shelf life:	24 month:
Mix ratio:by weight	1-1
Mix color:	Lt Grey
Storage :	below20°C