

# EPAND-603

## Technical data sheet



MAVAD ALI ALBORZ  
مهندسی مواد آلی البرز

### Product description.

This product is a very dilute liquid two-component epoxy adhesive for repairing and repairing all kinds of cracked surfaces of concrete and natural stones. The low viscosity of this adhesive causes rapid penetration into cracks and small pores in the stone and concrete surfaces. The long gel time and excellent mechanical properties of this product have been welcomed and used in stone cutting factories for reinforcement and processing of rock cuts with fiberglass by the vacuum system. This product after complete cooking in water, ice, and conditions. The weather is completely resistant.

### Product properties

- ) Completely transparent
- ) Low viscosity and permeability of micro-cracks
- ) Curable at ambient temperature
- ) Resistance to moisture, water and chemicals
- ) Excellent adhesion
- ) High resistance to temperature shocks
- ) High resistance at temperatures below zero degrees
- ) More stability to rays sun Very long life

### Mixing procedure

Measure at 5 volumes of part A and 1 volume of part B

Product specification	Resin	hardener
Appearance	clear liquid	clear liquid
Mixed viscosity at 25 c	400-600 cps.	
Specific gravity	1.05	
Pot life at 25 c (100gr)	30 min	
Mixing ratio by wight	5	1

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### Cure time

- ) 168 hours at 15 c
- ) 96 hours at 25 c
- ) 72 hours at 40 c
- ) 48 hours at 60 c

### Tack-free time(thin film initial cure)

- ) 72 hours at 15 c
- ) 48 hours at 25 c
- ) 12 hours at 35 c
- ) 6 hours at 35 c

### Typical Physical Properties

Property	value	test method
tensile strength	52 mpa	ASTM D638
tensile shear strength steel/steel	13 mpa	ASTM D1002
compressive strength	80 mpa	ASTM D695
flexural strength	40 mpa	ASTM D790