

# EPAND-604

## Technical data sheet



MAVAD ALI ALBORZ  
مهندسی مواد آلی البرز

### Product description.

This product is a two-component epoxy system that includes clear thin epoxy resin and clear hardener, which is used for thicknesses of 1 to 3 cm. The low viscosity combined with the special formulation of this compound causes fewer bubbles to form during mixing. Due to the fact that this resin generates little heat during hardening, it can be used up to 3 cm thick in one molding step without colored additives. The very high corrosion resistance of this resin increases the durability and longevity of the made resin parts. This volume can be used transparently in resin wood tables and resin parts in a completely transparent manner and without bubbles in the above thicknesses.

### Product properties

- ) Completely transparent
- ) Low viscosity and permeable to the surface
- ) Curable at ambient temperature
- ) Resistance to moisture, water and chemicals
- ) Excellent adhesion
- ) More stability to rays of sun
- ) Very long life

### Mixing procedure

Measure at 2 volumes of part A and 1 volume of part B

Product specification	Resin	hardener
Appearance	clear liquid	clear liquid
Mixed viscosity at 25 c	1.1	1
Specific gravity	2	
Pot life at 25 c (100gr)	120 min	

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### Cure time

- ) - hours at 5 c
- ) - hours at 15 c
- ) 168 hours at 25 c
- ) 72 hours at 35 c

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

- ) - hours at 15 c
- ) 72 hours at 25 c
- ) 36 hours at 35 c

### Typical Physical Properties

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