

# EPOXY RESTORATION LLC

## EZ RESIN URETHANE CASTING RESIN



### PRODUCT DESCRIPTION AND APPLICATIONS

EZ Resin is a two component, one hundred percent solids castable urethane elastomer. This system is used in a variety of applications. It is a low odor, fire retardant and waterproof material. It is a low conductive potting compound containing no halogens and is solvent, vermin and rot resistant.

EX Resin is a fast curing, rigid and solid polyurethane material designed for wood restoration and void filling. It is utilized to fill voids caused by vermin, rot and especially termites. Because of its low viscosity it can penetrate and fill the smallest of voids. It can be installed using hand mixing or specially designed two component static mixing pumps, for use in the field. Because of its quick cure and easy penetration capabilities it is ideal in bringing back wooden items to their intended use, thereby extending their life. It is also an excellent grouting material for filling voids in soil and concrete members.

### TYPICAL PHYSICAL PROPERTIES

(determined on commercial materials whose properties vary within IPS's specification units. Values are approximate.)

<u>(for components)</u>	<u>TEST METHOD</u>	<u>COMP. A</u>	<u>COMP. B</u>
Viscosity @75 deg. F	ASTM D-2196	950	1050
Specific Gravity	ASTM D-1638	1.22	1.03
Mix Ratio	by weight	53	47
Mix Ratio	by volume	50	50

<u>(for cured materials)</u>	<u>TEST METHOD</u>	<u>RESULTS</u>
Shore "D" hardness	ASTM D-2240	80
Gardner Gel time @ 75 deg. F		180 seconds
Tensile strength (psi)	ASTM D-638	8,000-9,000
Tensile modulus (psi)	ASTM D-638	246,022
Elongation %	ASTM D-638	8-10%
Tear Strength (psi)	ASTM D-624	500-600
Flexural Strength (psi)	ASTM D-790	17,040
Flexural modulus (psi)	ASTM D-790	371,200
Compression Strength (psi)		>5,000

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