

McKinnon Materials, Inc.

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WATER-BORNE EPOXY

New Technology water-borne epoxy can be used alone as a protective concrete sealer and as a primer used over properly prepared surfaces. Designed as a primer for dry or damp concrete surfaces; prior to the application of epoxy or urethane topcoats.

It is no longer necessary to endure the odor, toxicity exposure and fire hazards of typical solvent-borne 2 component epoxy finishes to obtain the performance characteristics of such finishes with the use of (water-borne epoxy). The combination of high performance and low hazard application can now be achieved.

<u>Physical Properties</u>		<u>Performance Properties</u>	
Composition:	Two component epoxy system for use as a primer, sealer or finish coat for industrial flooring.	Tensile Strength:	(ASTM D638 7000 PSI)
		Elongation:	(ASTM D638 6.5%)
		Hardness:	(ASTM – D2240 shore D) 74
Solids Content:	60% solids	Comprehensive Strength:	9000 to 11,000 PSI
		Impact Strength:	(30 direct, 10 reverse)
Mix Ratio:	4 to 1	Abrasion Resistance:	Grams weight loss 30 mg loss federal test method standard 406 method 1091
Viscosity:	1000 to 6000	Adhesion:	Exceeds concrete surface strength 300-400 lbs per square inch. Concrete fails at 230
Pot life:	More than 6 hours	Chemical Resistance: (look below)	Good to excellent
General Information:		Reagent	Rating
Application:	(See surface preparation) R-recommended for continuous service L- limited recommendation, occasional spills	Acetic Acid 10% Acetone Bleach Citric Acid 5% Crude Oil Ethyl Alcohol Gasoline Hydrochloric Acid 15% Lactic Acid 5% Methyl Ethyl Ketone Nitric Acid 5% Skydrol Sodium Hydroxide 50%	R L R R R R R R R L R R R

		Sulfuric Acid 25% Toluene Xylene	R L R
Coverage:	150 to 200 Sq. Ft. per gal. (If doing solid color two coats are required)		
VOC:	Less than 100 grams per liter		
Drying Time:	2 to 4 hours until ready to sand or recoat		
Clean up:	Tools and mixing equipment should be thoroughly cleaned prior to gelation of the product. Typical solvents such as xylene and acetone may be used for cleaning.		
Safety	Safety Data Sheets are available upon request form McKinnon Materials Inc. This product is intended for use by both professionals and amateurs. Keep away from children.		
Warranty	McKinnon Materials Inc. warrants its products to conform to its manufacturing standards. McKinnon Materials, Inc. will replace or refund the purchase price of non-conforming product at the seller's option; such remedy being exclusive of all others and sole remedy available to the buyer. Buyer hereby expressly waives claim to additional damages. Any claim under this warranty must be made in writing within 7 days of discovery of non-compliance and no later than two years from the date of delivery of product. No representative, distributor or applicator of these products is authorized to modify product, product data or warranty.		
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