



PRODUCT PRESENTATION

MasterSpec EQR is a two component fast setting epoxy compound designed for low down time repairs to concrete pavements. **EQR** is a medium modulus system that can poured neat or mixed with aggregate to provide a traffic bearing surface in as little as 30 minutes at 75°F. **EQR** has excellent wetting properties that enhance adhesion resulting in a tenacious bond even with minimal surface preparation.

MasterSpec EQR is also available in a low temperature grade for use below 40°F or for faster turn around at moderate temperatures.

PRODUCT FEATURES

- ➔ Moisture insensitive. May be applied to damp (no standing water) concrete surfaces.
- ➔ Easy to mix, one to one by volume ratio.
- ➔ Can be extended with silica sand, granite or other aggregates.
- ➔ Repaired sections can be returned to service in 15 to 30 minutes after application.

COVERAGE

One gallon will yield 231 cubic inches of compound. An addition of 35 lbs. of silica sand per gallon will yield 1/3 cubic foot.

POLYMERICA PRODUCT DATA

MasterSpec EQR Epoxy Quick Repair

PACKAGING

Unit size	Part A	:	Part B	Weight*
2 gallons	1 x 1 gal.	:	1 x 1 gal.	26 lbs.
10 gallons	1 x 5 gal.	:	1 x 5 gal.	123 lbs.

* approximate shipping weight

INSTALLATION GUIDELINES

Preparation: Surface must be clean and sound. All dirt, oil, grease and loose substrate matter must be removed for best results. Consult **POLYMERICA** Bulletin SP-C and SP-D for more information and details.

Mixing: Observe all precautions on MSDS and labels when using this product. Mix 1A : 1B by volume until a uniform color is achieved. If adding aggregate, continue mixing until aggregate is thoroughly wetted. Up to 35# of sand can be added per gallon of **EQR**. Do not delay application after mixing.

Application: **EQR** is firm in 10 to 15 minutes and can be returned to service in 15 to 30 minutes at 75°F.

Recoat: Brade mechanically before re-coating.

Clean-Up: Clean skin with soap and water. Clean tools immediately with MEK or proprietary epoxy thinner.

PHYSICAL PROPERTIES

Composition:	Two-component amine adduct epoxy.
Color:	Gray
Weight/gallon:	14.00 lbs. mixed
Solids Content:	100%
Mix Ratio:	1A : 1B by volume
Pot Life:	5-15 minutes @ 70°F. (100 gram mass)
Consistency:	5000 cps. mixed

PERFORMANCE PROPERTIES

Tensile Strength: (ASTM D-638)	7400 psi
Elongation: (ASTM D-638)	2.5%
Adhesion: (ASTM D-4541)	
to metal:	2600 psi
to concrete:	350 psi (concrete fails)
Hardness: (ASTM D-2240)	85 (Shore D)
Abrasion Resistance: (ASTM D-4060)	33-38 mg. loss (CS-17 wheel, 1 kg. load, 1000 cycles)
Service Temperature:	175°F (immersion) 225°F (dry heat)

SAFETY

Material Safety Data Sheets are available from **POLYMERICA** and should be consulted prior to use of the product. This product is intended for use by professionals only. Keep away from children and those not trained in the use and potential hazards involved.

MasterSpec EQR is a two part epoxy system. Part A contains epoxy resins. Part B contains amine-epoxy adducts. Workers should wear goggles, gloves and body covering clothing when mixing and applying product. Clean with soap and warm water. Abrasive treatment of cured film may generate microcrystalline silica dust. Dust masks should be worn when abrading. Be sure to follow label and MSDS cautions.

CHEMICAL RESISTANCE

Reagent	Rating
Acetic Acid-5%	L
Acetone	L
Bleach	L
Citric Acid-20%	L
Crude Oil	R
Diesel Fuel	R
Ethylene Glycol	R
Fatty Acids	L
Gasoline	R
Hydrochloric Acid-15%	R
Lactic Acid-15%	L
Methyl Ethyl Ketone	L
Nitric Acid-10%	L
Skydrol	R
Sodium Hydroxide-50%	R
Sulfuric Acid-50%	R
Toluene	L
Urea	R
Vinegar	L
Xylene	L

R - Recommended for continuous service.

L - Limited recommendation, occasional spills.

This chart is intended as an aid in evaluating the performance of these systems in various chemical exposures at 75°F. The data is intended as a guide only. In severe or combination exposures, a sample should be tested under actual or simulated use conditions.

Product data is revised as needed to reflect the most recent technology and field experience. Consult **POLYMERICA** for current printing date of literature.

WARRANTY

POLYMERICA warrants its products to conform to its manufacturing standards. **POLYMERICA** 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 one year from the date of delivery of product. No representative, distributor or applicator of these products is authorized to modify product data or warranty.

IMPORTANT NOTICE

These products are sold subject only to the express warranties contained herein. There are no other warranties by **POLYMERICA** of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Buyer agrees that seller assumes no liability for remote or consequential damages of any kind which result from the use or misuse of the product. Information contained herein is based on data believed to be reliable, however, it is the Buyer's responsibility to satisfy itself of the suitability of the product for a particular purpose.

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