



# POLYMERICA

---

---

# INCORPORATED

## POLYMERICA PRODUCT DATA

### MasterSpec SRB

Stress Relieved  
Epoxy Binder

Meets Requirements of  
ASTM C881-90  
Type III, Grade 2, Class C

#### PRODUCT PRESENTATION

**MasterSpec SRB is a two component, 100% solids, stress-relieved epoxy system** intended for use in bonding skid resistant materials to hardened concrete and primarily as a binder in epoxy grouts, epoxy mortars and epoxy concretes used in the repair of traffic bearing concrete surfaces. SRB is also recommended for repairs to concrete surfaces subject to thermal or mechanical movements.

For controlled specification requirements, factory-blended MasterSpec Aggregates are available for consistent grout, mortar or concrete mix designs.

#### PRODUCT FEATURES

- Moisture insensitive. May be applied to damp (no standing water) concrete surfaces.
- Extremely tough with typical 60-70% tensile elongation @ 60°F.
- Typical 2000+ psi shear bond strength to concrete.
- Exceptional resistance to temperature change.

#### COVERAGE

Varies with use. One mixed gallon provides 231 cubic inches of neat SRB. Consult technical bulletins for specific yields according to use.

#### PACKAGING

Unit Size	Part A	: Part B	Weight*
3.5 Qts.	1 x 80 oz.	: 1 x 32 oz.	9.5 lbs.
3.5 Gallons	1 x 2.5 gal.	: 1 x 1 gal.	34 lbs.

\* approximate shipping weight

## PHYSICAL PROPERTIES

<b>Composition:</b>	Two component amine cured epoxy
<b>Color:</b>	Clear or gray
<b>Weight/gallon:</b>	8.9 lbs., mixed
<b>Mix Ratio:</b>	2.5 A : 1B by volume
<b>Pot Life:</b>	60 min. @ 60° F. (3.5 Qt. kit)
<b>Viscosity:</b>	2500 cpa. mixed approx.
<b>Epoxy Equivalent, wpe:</b>	238

## PERFORMANCE PROPERTIES

Typical values @ 73° F.

<b>Bond Strength:</b> (ASTM C882)	2100 psi
<b>Water Absorption:</b> (ASTM D750)	0.3% avg.
<b>Thermal Compatibility:</b> (ASTM C884)	Exceeds five 24 hr cycles (-8°F to +75°F)
<b>Effective Shrinkage:</b> (ASTM C883)	Passes 10 uninterrupted hourly freeze thaw tests
<b>Compression Modulus:</b> (ASTM D695)	100,000 - 129,000 psi
<b>Tensile Elongation at Break:</b> (ASTM D638)	80-90%
<b>Tensile Strength:</b> (ASTM D638)	290 psi

## SAFETY

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

MasterSpec SRB is a two component epoxy system. Part A contains epoxy resins. Part B contains polyamine epoxy adduct. Workers should wear gloves, and goggles when mixing or applying product. Clean up with soap and warm water. Be sure to follow all label and MSDS cautions.

## 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 warranty 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 its 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.

MS/SRB 071504

For additional information, visit our web site:  
[www.polymerica.com](http://www.polymerica.com)  
or email us at [info@polymerica.com](mailto:info@polymerica.com)