



(ERS-7100 Plastic Elastic) (Paste Grade)

ER100 Data Sheet

PRODUCT PROFILE:

ER100 is a Trowelable Elastomer designed for applications requiring high elongation in moderate environments. ER100 is a two component elastomer which is designed to handle moisture, mildly acidic or mildly alkaline environments.

ER100 will provide an excellent level of protection for expansion joints, cracks in concrete, in heaving soils, sealing joints and cracks, and against freeze thaw dynamics. The UV stability of ER100 will allow many years of service. ER100 should not be used in high wear areas, as the high elongation is more suited to moderate and light wear applications.

PRODUCT FEATURES AND BENEFITS:

- 100% Solids, No VOCs
- Excellent UV stability
- Excellent impact resistance and corrosion protection

CHEMICAL RESISTANCE:

- Acetic Acid up to 8%
- Ammonium Hydroxide up to 25%
- Brine
- Copper Sulfate
- Hydrochloric Acid up to 36%
- Hydrogen Sulfide
- Mineral Spirits
- Nitric Acid up to 10%
- Potassium Hydroxide up to 50%
- Sodium Hydroxide up to 50%
- Sulfuric Acid up to 50%

PHYSICAL PROPERTIES

Color	Dark Gray	
Container Size	1 and 2 gallons	
Elongation @ 1/8"	Greater than 200%	
Specific Gravity	Resin: 1.28	Hardener: 0.93
Suggested Application Method	Trowel	
Weight per Gallon	9.3 lbs	

POT LIFE

70°F (21°C)	1 hour
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CURE TIME (AT 75°F OR 21°C)

Re-Coat Window	2 to 6 hours
Tack Free	5 hours
Light Traffic	24 hours
Full Cure	7 days

SURFACE PREPARATION:

Note: For optimal coating performance, take considerable care with surface preparation

Metal: Remove all oil, grease, or scale from the surface, and then blast with sharp sand or grit to finish. Use a non-spherical blast medium to give a 2 - 3 mil (50 - 75 micron) profile and to achieve the following surface preparation standards or their equivalents:

Non-chemical Service	SSPC-SP 6 Commercial Blast (NACE 3)
Intermittent Splash or Wear	SSPC-SP 10 Near White Metal Blast (NACE 2)
Immersion or Abrasive Service	SSPC-SP 5 White Metal Blast (NACE 1)



Concrete: Concrete should be aged at least 28 days before coating and the surface should be clean, dry and free of form-release agents, silicone water-proofers and/or curing agents. Sand blasting or scarification is recommended. Wash down old concrete to remove all residues and neutralize the pH before blasting or scarifying. For severe service, a second wash is recommended.

Superior products are self-priming on metallic substrates. However, on concrete, the sealer/primer SC1100 is recommended to avoid bubbling caused by out gassing and to increase overall adhesion.

SC1100 primer is required on concrete that is younger than 28 days. SC-1100 primer can be applied to concrete that has aged a minimum of 7 days. Two coats of SC1100 may be needed on high air entrained concrete.

MIXING PROCEDURES:

Note: Do not mix partial kits.

1. Empty the entire amount of hardener into the resin container.
2. Mix thoroughly until uniform in consistency, continue mixing for an additional 2-3 minutes. Pay special attention to the bottom and sides of the container to insure complete mixing. Due to the high viscosity of this product, a mechanical mixer is preferred. Use at low speed and keep the mixing blade down in the product to avoid entrapping air.

APPLICATION:

Apply SL100 with a trowel, putty knife or other appropriate tool. When working with SL100, dip the trowel or other tools in ethanol or a mixture of ethanol and water to reduce sticking.

CLEAN UP:

Use a mixture of MIBK and Butyl Acetate (50/50) or MEK for cleanup. Be sure to read MSDS for any of these products before using. Skin may be cleaned with denatured alcohol, preferably ethanol.

ORDERING INFORMATION

For additional information, prices, or to place an order, please contact your ErgonArmor sales representative. If you do not know the name of your sales representative, call 877-98ARMOR.

Data Sheet Revised July 2009

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