

# ARC Emulsion

## Elastomeric, Latex Polymer, Liquid Emulsion

### PRODUCT DESCRIPTION

ARC Emulsion is an elastomeric, latex polymer, liquid emulsion formulated for use in conjunction with Deck Membrane Filler, a component of Mer-Ko ARC and Dual Pro 380 Waterproofing Membrane systems. This Emulsion incorporates an anti-microbial component, a performance additive that inhibits the growth of mold and mildew on the membrane surface and in damp environments. Together these materials are used as a component to create a durable, high performance bonding material that exhibits excellent adhesion, tensile strength and flexibility over a wide temperature range.

### CHARACTERISTICS

- Exceptional adhesion properties
- Outstanding long-term durability and performance
- Aids in achieving superior resistance to flexing and twisting
- Easy cleaning and handling

### CAUTIONS & LIMITATIONS

- The substrate surface must be structurally sound, clean, dry and free of dirt, dust, oil, grease, paint or other contaminants at the time of material application.
- Substrate and ambient temperature must be above 40°F (4.4°C) and below 120°F (48.8°C) during and for 24 hours following the application.
- Do not apply in damp weather or when rain is expected within 24 hours.
- Must be used in conjunction with Mer-Ko's cementitious Deck Membrane Filler material.
- Not intended for use as a finished surface.
- Designed for professional use.
- Cementitious materials should be used within 30 minutes, do not re-temper.

### COLOR

Black

### PACKAGING

5 gallon (18.9 liter) pail

### APPLICATION

ARC Emulsion is ready to use. After opening the container, gently stir before mixing with Deck Membrane Filler material.

Using a clean bucket and a mechanical mixer or caged hand drill, mix appropriate amounts of ARC Emulsion to one 40 lb. bag of Deck Membrane Filler. Mix until a smooth, even consistency is achieved. Be sure to incorporate material on the sides and bottom of the mixing container to avoid lumps.

Primer Coat: Mix 1.5 to 2 gallons ARC Emulsion to 40 lbs of Deck Membrane Filler

Protective Coat: Mix 1.5 gallons ARC Emulsion to 40 lbs of Deck Membrane Filler

### TECHNICAL DATA

<b>Coverage Rate</b> .....	160-180 ft <sup>2</sup> /40 lb bag mix* (15-17 m <sup>2</sup> / 18.14 kg bag mix*)
<b>Weight per Gallon</b> .....	8.5 lb/gal (ASTM C109)
<b>Total Solids by Weight</b> .....	70.65% (ASTM D2369)
<b>Total Solids by Volume</b> .....	71.21% (ASTM D2697)
<b>VOC</b> .....	0.7 g/L (ASTM D3960)
<b>Viscosity</b> .....	60-80 KU (ASTM D562) at 77°F/25°C
<b>Flash Point</b> .....	NA (ASTM D3278)

\* Deck Membrane Filler/ ARC Emulsion mix

### Plywood Substrates

Installations directly over plywood surfaces must be coated with Mer-Ko Prep Seal primer/sealer prior to application.

### Concrete Substrate

Fill concrete control joints with Mer-Ko PUC 1000 sealant and tool flush as necessary. Allow to dry a minimum of 24 hours at 70°F (21°C) 50% RH, prior to commencing with installation of the Deck Membrane Filler.

### Primer Coat

Apply Deck Membrane Filler mixed with ARC Emulsion using a brush or trowel as a primer over all vertical and horizontal surfaces to be coated. Allow to dry a minimum of 2 hours at 70°F (21°C) 50% RH, prior to commencing with installation of the waterproofing membrane. Remove minor surface imperfections by lightly trowel scraping and or sanding. Remove resulting debris, prior to proceeding.

### Protective Coat

Apply a coat of Deck Membrane Filler, 1.5 gallons of ARC Emulsion to one 40 lb. bag, as a protective coat over all vertical and horizontal surface areas. Brush or trowel apply vertical areas and trowel apply to the entire deck surface. Allow to dry a minimum of 24 hours at 70°F (21°C) 50% RH, and sand the surface using medium 120-grit sandpaper, sanding discs, or soft burnishing pads as necessary to produce the desired level of finish. Remove any dust or debris.

### Additional Site Protection

The ARC Membrane system must be adequately protected after application and cure for the duration of the project and until final acceptance of the facility.

### STORAGE & HANDLING

Store ARC Emulsion at temperatures between 40°F and 100°F (4°C and 38°C). Do not store at high temperatures, in direct sunlight or allow to freeze. Promptly clean tools and equipment with water and mild detergent. Dried ARC Emulsion can be cleaned with mineral spirits. Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying these products.

### SHELF LIFE

The shelf life is six (6) months from the date of manufacture in the original, unopened container when properly stored.

# Product Data Sheet

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### WARRANTY

Limited manufacturer's defect warranty. Contact Parex USA Technical Support for specific warranty information or [www.parexmer-ko.com](http://www.parexmer-ko.com).

### WARNING:

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Material Safety Data Sheet (MSDS). The most current MSDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

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MER-KO  
[www.parexmer-ko.com](http://www.parexmer-ko.com)

### Corporate Office

Parex USA, Inc.  
4125 E. La Palma Ave., Suite 250  
Anaheim, CA 92807  
(866) 516-0061  
Tech Support: (800) 226-2424

