

ARC Emulsion

Elastomeric, Latex Polymer, Liquid Emulsion

PRODUCT DESCRIPTION

ARC Emulsion is an elastomeric, latex polymer, liquid emulsion formulated for use in conjunction with ARC Membrane Filler, a component of Mer-Ko ARC, Dual Pro 380 and Auto Deck 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°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 occurring or expected within 24 hours.
- Must be used in conjunction with Mer-Ko's cementitious ARC 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

Milky white in fluid state. Dries clear.

PACKAGING

5 gallon (18.9 liter) pail

APPLICATION

Clean and properly prepare the dried waterproofing Membrane.

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

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

Plywood Substrates

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

TECHNICAL DATA

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

*Membrane Filler/Emulsion mix

Fill plywood board joint-spacing gaps with ARC Membrane Filler mixed with 1.75 to 2 gallons of ARC Emulsion to one 40 lb. bag, strike flush prior to drying and remove debris. The use of a mason's grout bag can aid in the application of the membrane filler joint grouting.

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 ARC Membrane Filler.

General Application

Apply ARC 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.

FIRST AID

EYE CONTACT

Flush eye with water for at least 15 minutes. Get medical attention promptly.

INHALATION

Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get immediate medical attention.

SKIN CONTACT

Wash affected area thoroughly with soap and water. Remove contaminated cloths and launder before reuse.

INGESTION

Do not induce vomiting. Get medical attention immediately.

FIRE

Wear self-contained breathing apparatus with full face piece and protective clothing. Use foam, carbon dioxide, dry chemical, and/or halogenated agents.

SPILL OR LEAK

Scoop material up and transfer to an open container. Allow material to dry before disposal. Keep spilled products out of sewers, streams, and water systems.

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.

Product Data Sheet

ARC Emulsion

SHELF LIFE

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

WARRANTY

Limited manufacturer's defect warranty. Contact Mer-Ko Technical Service Department for specific warranty information or www.parexmer-ko.com

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