

SELECTION & SPECIFICATION DATA

Type	Non-Fibered Asphalt Emulsion
Description	A sprayable blend of selected mineral fillers and emulsified asphalts that provides excellent protection against moisture vapor intrusion in porous substrates such as cement. Suitable for use on green concrete. Also available in fibered grade, Ertech 2110.
Features	<ul style="list-style-type: none"> • Water-based with low VOC's • Very stable • Environmentally friendly • Worker friendly
Uses	<ul style="list-style-type: none"> • Dampproofing • Adhesive for polystyrene insulation • Moisture barrier
Color	Black
Finish	Matte
Primer	Self-priming
Dry Film Thickness (DFT)	20 – 30 mils per coat
Solids Content	By weight 54% By volume 49%
Maximum Dry Temperature Resistance	300°F (149°C)
Limitations	Protect from freezing Not for immersion service

SUBSTRATES & SURFACE PREPARATION

All	Substrate must be clean, dry and free of contaminants.
Previously Painted Surfaces	Consult with Armor Technical Service.

SAFETY

Safety	Mixes and applications of this product present a number of hazards. Read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.
Ventilation	Use in well ventilated areas.

MIXING & THINNING

Mixing	Not required
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Thinning

Generally not required. Product is thixotropic and will thin under shear. If a reduction in static viscosity is desired, agitate to thin. The addition of water is not recommended.

Ratio

Single component

Cleanup

Tools and hands should be cleaned with soap and water before the emulsion sets. Dried material can be cleaned with mineral spirits. Spray equipment should be flushed with soapy water then fresh water for short periods of non-use. For longer periods of non-use, a final flush using mineral spirits is recommended.

APPLICATION GUIDANCE

Spray Application

Ertech 2100 is designed for spray application using airless equipment.

Airless Spray

For best results under a wide variety of spray conditions, a 30:1 or higher ratio pump is recommended.

Tip Size

0.027-inch orifice

Hose L/D

200 ft (max) x 3/8-inch diameter

Whip L/D

6 ft (max) x 1/4-inch diameter

Pump Packings

PTFE/UHMWP packings in the spray pump are recommended.

Film Thickness

A film thickness of up to 60 mils wet can be achieved on vertical surfaces without sagging.

Brush/Roller

Ertech 2100 can be brush or roller applied.

Temperature

A film thickness of up to 60 mils wet can be achieved on vertical surfaces without sagging.

Dry-To-Touch

2 – 4 hours at 77°F (25°C). Dry times are decreased with air movement over the coating.

Full Cure

24 – 48 hours at 77°F (25°C). Cure times are decreased with air movement over the coating.

PACKAGING, ESTIMATING, HANDLING & STORAGE

ITEM #

M-2000-005-004

PACKAGING

Pail - 5 gallons

Theoretical Coverage Rate

786 square feet per gallon at 1 mil DFT

Storage & Shelf Life

Estimated shelf life is 6 months when stored in a dry area at 75°F (24°C). Actual shelf life may vary with storage conditions. Do not store below 50°F (10°C) or above 110°F (43°C). Protect from freezing. Do not store product outside. Store indoors.

TYPICAL PHYSICAL PROPERTIES

Density ASTM D1475-13	9.2 lbs/gal
Solids, by weight ASTM D5201-05a	54%
Solids, by volume ASTM D5201-05a	49%
Specific gravity	1.10
Dry-to-touch, 77°F (25°C) ASTM D5895-96	2 – 4 hours
Full cure, 77°F (25°C)	24 – 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	88,000 cps
Color	Black
Resistance to oils, greases and solvents	Poor
VOC ASTM D3960-05	0.2 lbs/gal max

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