

## **SELECTION & SPECIFICATION DATA**

<b>Type</b>	Polymer Modified Asphalt Emulsion
<b>Description</b>	A blend of polymer and emulsified asphalts that provides a tough, monolithic, rubberized waterproof fire retardant membrane on steel, cementitious, modified bitumen and other substrates.
<b>Features</b>	<ul style="list-style-type: none"><li>• Water-based with low VOCs</li><li>• Rapid setting</li><li>• High elongation and tensile strength</li><li>• Puncture resistant</li><li>• Low permeation rates</li><li>• Excellent chemical resistance</li><li>• Sag resistant</li><li>• Easily repairable</li><li>• UL Class A Flame Spread rating</li></ul>
<b>Uses</b>	<ul style="list-style-type: none"><li>• Waterproofing</li><li>• Roofing</li><li>• Moisture/vapor barrier</li><li>• Secondary containment</li><li>• Retainage ponds</li></ul>
<b>Color</b>	Black
<b>Finish</b>	Matte
<b>Primer</b>	Self-priming
<b>Dry Film Thickness (DFT)</b>	20 - 70 mils per coat
<b>Solids Content</b>	60% by weight 59% by volume
<b>Maximum Dry Temperature Resistance</b>	300°F (149°C)
<b>Limitations</b>	Protect from freezing

## **SUBSTRATES & SURFACE PREPARATION**

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

## **MIXING & THINNING**

<b>Mixing</b>	Gentle agitation recommended
<b>Thinning</b>	Do not thin
<b>Ratio</b>	Two component. Set ratio through proprietary spray equipment. Consult with Armor Technical Service.
<b>Cleanup</b>	Tools and hands should be cleaned with diesel. Spray equipment should be flushed with diesel.

## **APPLICATION GUIDANCE**

<b>Spray Application</b>	Ertech 3135 is designed for spray application using proprietary equipment that co-sprays Ertech 3135 and an accelerator that rapidly sets the sprayed film. For information on spray equipment consult with Armor Technical Service.
<b>Film Thickness</b>	A film thickness of up to 125 mils wet can be achieved on vertical surfaces without sagging. For applying films thicker than 125 wet mils, consult with Armor Technical Service.
<b>Brush/Roller</b>	Use Ertech 3036/3037 which can be brush or roller applied for surface preparation.
<b>Trowel</b>	Use Ertech 3037 which can be trowel applied for surface preparation.
<b>Temperature</b>	Use in temperatures of 50°F (10°C) or higher for best performance.
<b>Dry-To-Touch</b>	15 minutes at 77°F (25°C). Dry times are decreased with air movement over the coating.
<b>Full Cure</b>	24 - 48 hours at 77°F (25°C). Cure times are decreased with air movement over the coating.

## **PACKAGING, ESTIMATING & HANDLING**

<b>ITEM#</b>	<b>PACKAGING</b>
M-3135-000-001	Bulk - LB
M-3135-053-001	Drum - 53 gallons
M-3135-275IBC-001	IBC Tote - 275 gallons
<b>Theoretical Coverage</b>	914 square feet per gallon at 1 mil DFT
<b>Storage &amp; Shelf Life</b>	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 95°F (35°C). Protect from freezing. Do not store product outside. Store indoors.

## **SAFETY**

<b>Safety</b>	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.
<b>Ventilation</b>	Use in well ventilated areas.

## **TYPICAL PHYSICAL PROPERTIES**

Density ASTM D1475-13	8.5 lbs/gal
Solids by weight ASTM D5201-05a	60%
Solids by volume ASTM D5201-05a	59%
Specific gravity	1.02
Dry-to-touch, 77°F (25°C) ASTM D5895-96	15 minutes
Full cure, 77°F (25°C)	24 - 48 hours
Viscosity, 77°F (25°C) ASTM D2983-19	300 cps
Resistance to oils, greases and solvents	Poor
VOC	0.2 lbs/gal maximum
Permeance 60 mils nominal ASTM E96 A method	0.11 perms
Permeance 60 mils nominal ASTM E96 B method	0.27 perms
Hydrostatic pressure resistance 60mils nominal ASTM C1360	40 psi
Immersion test 60 mils nominal ASTM D870-09	Pass
Tensile strength ASTM D2370-16	103 psi
Elongation ASTM D412-16	1,085%

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