

PRODUCT SPECIFICATIONS



Green Monster™ Liner Potable

Green Monster™ Liner Potable is a two component, 100% solids, zero VOC pure polyurea (all Amine and Polyetheramine-based) that has been approved for use as a “Potable Water” coating, meeting the strict UL and ANSI 61-5 standard test requirements. This coating is specified for use in new construction or restoration of concrete, fiberglass, aluminum and steel surfaces. It is meant to be used as a protective potable water coating system. **Green Monster™ Liner Potable** can be applied at temperatures ranging from 10°F to 150°F. This aromatic polyurea elastomer displays excellent chemical resistance, thermal stability, and UV resistance.

PRIMARY APPLICATIONS:

Green Monster™ Liner Potable is designed for use as a potable Water Coating on properly prepared steel, fiberglass, aluminum or concrete surfaces. This material can be installed in either new construction projects or on renovated surfaces. **Green Monster™ Liner Potable** can be used as a “Potable Water”, protective coating membrane for applications in or on the following areas:

- Potable Water Holding Tanks
- Food Processing Plants
- Various Water Treatment Plant Applications
- Manufacturing Facilities
- Desalination Plants

APPLICATION EQUIPMENT:

This material must be applied utilizing a high-pressure plural component pump (1:1 by Volume) such as most of the Graco Reactor® series plural component pumps. Depending on the plural component spray system used, **Green Monster™ Liner Potable** should be applied at a constant pressure range between 2000 and 2500 psi and material temperature of 140°F to 160°F.

COLORS:

- Cucumber Green
- Gray
- Tan

SPECIAL PROCEDURAL NOTE:

Product should be allowed to cure 24 hrs. (@75°F) prior to rinsing. **Green Monster™ Liner Potable** must be rinsed using a hose/pressure washer prior to placement in service to ensure no contaminants are on the surface of the coating prior to filling the tank/reservoir. **Green Monster™ Liner Potable** is acceptable for use to coat potable water containers and vessels.

INSTALLATION PROCEDURES:

Concrete- For optimum performance, concrete should be hydro blasted, sandblasted or steel shot blasted. Newly poured concrete must be allowed to cure a minimum of 30 days. **Green Monster™ Liner Potable** should always be applied over **Green Monster™ Primer** only, except for aluminum and steel applications. After proper preparation, **Green Monster™ Liner Potable** should be applied in a cross directional method. It is recommended to apply **Green Monster™ Liner Potable** up to a thickness of 125 mils for waterproofing and adequate protection purposes.

Steel- For optimum performance, the steel surface should be either sand-blasted or steel shot blasted to obtain optimum surface profile. The steel surface needs to meet or exceed an SSPC SP-10 Near White Metal Blast.

ADVANTAGES:

- Passes ANSI 61-5 and UL Standards
- 100% Solids, Zero VOC'S
- Excellent Thermal Stability
- Excellent Resistance to a Variety of Solvents, Acids and Caustics
- Seamless, Resilient, Non-Cracking
- Excellent Corrosion Protection
- Low Perm Rate
- Fast Reactivity and Cure Time (No Catalysts)
- Cures From 10°F to 150°F
- Rapid Return to Service



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TYPICAL PHYSICAL PROPERTIES:

·TENSILE STRENGTH, psi	ASTM D 412	3850	·FLASH POINT, °F	PENSKY-MARTIN	>200
·ELONGATION, %	ASTM D 412	425	·TABER ABRASION, MG LOSS CS17	ASTM D 4060	17.0
·100% MODULUS	ASTM D 412	1460	·CS 17 WHEELS	1KG, 1000 REVS	
·200% MODULUS	ASTM D 412	1960	·HARDNESS, SHORE D	ASTM D 2240	52
·300% MODULUS	ASTM D 412	2650	·FLEXIBILITY, 1/8" MANDREL	ASTM D1737	PASS
·VISCOSITY, A SIDE (75°F)	CPS	350	·TEAR STRENGTH, pli	ASTM D 624	570
·VISCOSITY, B SIDE (75°F)	CPS	650	·WATER VAPOR PERMEANCE (PERMEANCE, INCH-POUNDS UNITS)	ASTM E96	.93

ADHESION RESULTS:

·BOND WITH PRIMER (CONCRETE) ASTM D 4541	500psi	·BOND; DIRECT (CARBON STEEL)	ASTM D 4541	>800psi
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TYPICAL PROCESSING PROPERTIES:

·GEL TIME	SECONDS	11
·TACK FREE TIME	SECONDS	22
·VOLUME RATIO	V:V	1:1

APPLICATION NOTES:

It is very important to maintain constant pressure while spraying. A radical variation of these pressures can result in loss of physical properties, poor color retention, bubbling, blistering and de-bonding of the material from the surface applied to.

CLEAN-UP/DISPOSAL:

Cured product may be disposed of without restriction. The uncured isocyanate and resin portions should be disposed of according to local, state, and federal laws.

SAFETY HANDLING:

MSDS will be mailed immediately upon receipt of a purchase order or upon request. All personal should read and understand the safety recommendations. All body parts should be covered and activated charcoal respirators at a minimum (forced air is preferable) provide for a safer application of this product.

SHELF LIFE & STORAGE:

12 months under normal conditions. It should be stored in sealed containers between 60°F and 90°F. Keep away from extreme heat, freezing, moisture, and direct sunlight.

PACKAGING:

Green Monster™ Liner is provided in 55-gallon drum kits, or 275-gallon tote sets.

SHIPPING INFORMATION:

Green Monster™ Liner can be shipped via most commercial truck lines. The shipping class is "55" polyurea spray. The "A" and "B" sides are unregulated and classified as liquid plastic, NOS. Please refer to the MSDS for further information.



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