

Green Monster™ (Potable)

PRODUCT DESCRIPTION:

Green Monster™ (Potable) ANSI 61-5 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 ANSI Standard 61-5 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™ (Potable) ANSI 61-5** 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.

APPLICATION EQUIPMENT:

Green Monster™ (Potable) ANSI 61-5 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™ (Potable)** should be applied at a constant pressure range between 2000 and 2500 psi and material temperature of 140°F to 160°F.

AVAILABLE COLORS:

- Cucumber Green

SPECIAL PROCEDURAL NOTE:

Product should be allowed to cure 24 hrs (@75F) prior to rinsing. **Green Monster™ (Potable) ANSI 61** 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™ (Potable) ANSI 61-5** is acceptable for use to coat potable water containers and vessels.

MANDATORY INSTALLATION PROCEDURES:

Concrete- For optimum performance, the concrete should be hydro-blasted, sand-blasted or steel shot blasted. Newly poured concrete must be allowed to cure a minimum of 30 days. **Green Monster™ (Potable) ANSI 61-5** should always be applied over Green Monster™ Primer only, except for aluminum and steel applications. After proper preparation, **Green Monster™ (Potable) ANSI 61-5** should be applied in a cross directional method. It is recommended to apply **Green Monster™ (Potable) ANSI 61-5** at a minimum thickness of 80 mils for waterproofing and adequate protection purposes.

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

PRODUCT USES:

Green Monster™ (Potable) ANSI 61-5 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™ (Potable) ANSI-61-5** can be used as a "Potable Water", protective coating membrane for applications in or on the following areas:

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

APPLICATION NOTES:

It is very important to maintain constant pressures 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.

SAFETY & HANDLING:

All personnel should read and understand the safety recommendations. All body parts should be covered and activated charcoal respirators (at a minimum-forced air is preferable) are necessary for safe application of this product. Keep uncured product away from children at all times.



Green Monster™ (Potable)

ADVANTAGES:

- Passes ANSI 61-5 Standards
- 100% Solids, Zero VOC's
- Flexible, Excellent Elongation
- Excellent Thermal Stability
- Good 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

TYPICAL PHYSICAL PROPERTIES :

• TENSILE STRENGTH, PSI	ASTM D412	3850	• TABER ABRASION, MG LOSS	ASTM D4060	17.0
• ELONGATION, %	ASTM D412	425	• CS 17 WHEELS	1KG, 1000 REVS	
• 100% MODULUS	ASTM D412	1460	• A-SIDE HOSE TEMPERATURE	°F	140-160
• TEAR STRENGTH, PLI	ASTM D624	570	• B-SIDE HOSE TEMPERATURE	°F	140-160
• HARDNESS, SHORE D	ASTM D2240	52	• BLOCK TEMPERATURE	°F	160
• FLEXIBILITY, 1/8" MANDREL	ASTM D1737	PASS	• CONSTANT PRESSURE, PSI		2000
• FLASH POINT, °F	PENSKY-MARTIN	>200			

TYPICAL PROCESSING PROPERTIES:

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

CLEAN-UP/DISPOSAL:

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

SHELF LIFE & STORAGE:

Six months to one year in factory delivered, unopened drums. Keep away from extreme heat, freezing, and moisture.

PACKAGING:

Green Monster™ (Potable) ANSI 61-5 is available in 110 gallon kits.

SHIPPING INFORMATION:

Green Monster™ (Potable) can be shipped via most commercial truck lines. Please refer to the MSDS for further information.

ADHESION RESULTS:

ASTM D-4541 Patti Tester	
Carbon Steel (direct):	900 PSI or greater
Concrete	600 PSI with Green Monster™ Primer

