



Pocono Fabricators' Pre-Krete® Tankliner 61 was developed in June 1999 as a lining for installation in hot and cold potable water tanks. It is a hydraulic cement designed to provide effective protection against the corrosive effects of hard and soft water in hot or cold potable water storage/process vessels. It was specifically designed to meet the requirements of NSF International Standard 61. Since 1944 NSF has developed standards and provided third-party conformity assessment services to government, consumers / users and manufacturers / providers of products and systems related to environmental and public health safety. Most state governments are requiring this certification for potable water tank linings. It is recommended that the specific application be discussed with the factory prior to the installation. This will ensure the system's ability to perform as expected. Pre-Krete Tankliner-61 is used to line new tanks, or repair and restore existing tanks.

COMMON MARKETS

- Schools / Colleges
- Hospitals
- Apartment Buildings
- Hotels / Motels
- Office Buildings
- Retirement Homes
- Laundries
- Tank Manufacturers
- Correctional Facilities

TECHNICAL DATA

- Compressive Strength (ASTM C-109-86)
 - 1 Day Cure - 7,890 psi
 - 3 Day Cure - 9,840 psi
 - 7 Day Cure - 10,610 psi
 - 28 Day Cure - 12,200 psi
- Tensile Strength (ASTM C-190-85)
 - 3 Day Cure - 703 psi
 - 7 Day Cure - 754 psi
 - 28 Day Cure - 844 psi
- Water Absorption per MIL-T-12295 = 8.2%
- Wet density - 140 lbs. per cubic foot
- Coefficient of Expansion (in./in./oF) 6.4×10^{-6}
- Maximum temperature: 1000°F (after special curing)
- Color: grey
- Packaged in 50-pound paper sacks @ 70 per skid

INSTALLATION GUIDELINES

The following specifications are general installation procedures that cannot include all the variables associated with field applications. It does not contain the detailed information necessary to successfully install a Pre-Krete system. It serves only as a guide to assist in the better understanding of Tankliner-61. Experienced Pre-Krete applicators are familiar with our systems. Their product knowledge and experience will ensure the best results under the most adverse field conditions. If you are not familiar with a qualified applicator in your area, contact the factory. Detailed Application Guide/Specifications are available on our website – www.pre-krete.com.

SURFACE PREPARATION

The steel substrate must be clean, dry and structurally sound, free of any bonded contaminants, coatings or linings. Grit blasting, chemical or mechanical cleaning can be utilized to remove the previously referenced conditions. It is not necessary or recommended to produce a bright or white metal surface. A rusted surface will enhance the mechanical bond, provided there is no lamination of the oxidized metal.

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MIXING

Pre-Krete is mixed at the rate of $\frac{3}{4}$ to 1 gallon of water per 50-pound bag. The amount of water may vary depending on weather conditions. When hand trowling, the consistency should be such that if you place Pre-Krete in the shape of a golf ball in your hand and press down lightly, then turn your hand over – the Pre-Krete should stick to your fingers.

APPLICATION

Tankliner-61 can be hand troweled on a non-reinforced surface or over expanded metal. Two $\frac{1}{4}$ " to $\frac{3}{8}$ " thick coats are recommended. When the first coat is completed, and is still tacky, start the second coat immediately.

METAL REINFORCEMENT

Expanded metal reinforcement is recommended on flat-sided tanks and when diameters are over ten (10) feet. The recommended size is: $\frac{3}{4}$ " x 13-gage carbon steel, unflattened, standard diamond pattern. This expanded metal is secured tight to the substrate with tack welds on 12" centers.

CURING

All Pre-Krete linings must be properly cured. There are two recommended curing methods that are used in water storage tanks: moisture cure and immersion cure. Contact the factory for the method best suited for your application. Pocono Fabricators' Concrete Sealer curing compound must **NOT** be used in potable water applications. Temperature during curing must be maintained from 40°F to 90°F. Curing times are: initial set is approximately 2 hours, final set is approximately 6 - 8 hours.

MATERIAL SAFETY DATA SHEETS (MSDS)

Current MSDS are available on our website: www.pre-krete.com

NOTES:

