



WATER QUALITY

NSF/ANSI 61 Drinking Water
System Components 26KM

Maximum Surface Area/Volume Ratio: 12.1cm²/L
Water Contact Temperature: 23°C

COATING DATA

DESCRIPTION:

A solvent free, immersion grade lining incorporating ceramic pigment into an amine cured epoxy resin for maximum corrosion protection of immersed substrates. Perma-Clean™ 100 is a unique and outstanding barrier coating formulated for the protection of steel and concrete for potable water immersion.

Perma-Clean™ 100 Ceramic Epoxy

- High build coating, may be applied to provide up to 50 dry mils per coat.
- Complies with current U.S. EPA National Volatile Organic Compound (VOC) Emission Standards for OTC states effective January 1, 2005 and proposed for national AIM regulations in 2009.
- Formulated specifically for protecting steel and concrete in potable water immersion
- UL/NSF Standard 61 approved for potable water immersion for 15 – 50 mils DFT.

USE:

Perma-Clean™ 100 is ideal for protecting steel and concrete immersed in potable water.

LIMITATIONS:

Do not use for immersion in concentrated solutions of mineral acids or organic acids. Maximum continuous immersion service temperature – 120°F (49°C). Maximum continuous non-immersion service temperature – 200°F (93 C).

SURFACE PREPARATION:

Steel (potable water Immersion) – SSPC SP 10 Near White Metal Blast achieved with a granular aggregate, no steel shot or grit, minimum 3 mils profile. **Concrete** – New concrete must cure for at least 28 days and contain less than 14 percent moisture prior to coating. Remove all surface contaminants, including oils, curing compounds and any compound that will interfere with adhesion of the coating to a concrete substrate. All concrete surfaces shall be made free of voids, cracks and other imperfections using Induron EFS 707 Epoxy Surfacer. For best results, use SSPC-SP 7 Brush Off Blast to clean surface. **Recoating** – Multicoat systems may require this product to be recoated with itself. This product does not require scarifying the surface prior to begin recoating with itself for 30 days. Prior to recoating, remove all chalk and/or other surface contaminates. For extended periods of time, SSPC-SP 7 Brush Off Blast cleaning is recommended to clean surface.

COVERAGE:

Theoretical—1,600 ft² per gallon at 1.0 mil dry film thickness.

DRY FILM THICKNESS:

15-50 mils per coat.

WET FILM THICKNESS:

15 to 50 mils.

APPLICATION DATA**BLEND RATIO:**

One Part Perma-Clean™ Part A Base to one part PermaClean™ Part B Activator.

POT LIFE:

15 minutes @ 70°F

APPLICATION:

Airless Spray—Plural component equipment required. Visit www.induron.com for additional information. **Roll** –Not recommended. **Brush** – Use natural bristle brush, for small areas use PermaClean Touch-Up Kit.

THINNING:

Not normally required. Use Acetone or MEK for clean up.

CLIMATE:

Use this product only if the substrate temperature and ambient air temperature are above 40°F and is expected not to decrease for at least two hours after application. Also, the substrate must be 5°F above the dew point for a period of two hours after application to avoid condensation occurring on a wet coating. Do not apply PermaClean 100 over wet or frozen surfaces. Care should also be taken with substrate temperatures above 120°F since application properties may vary with higher temperatures.

DRY TIME:

TO HANDLE—Four hours at 80°F. , overnight at lower temperatures

TO RECOAT—Six hours at 80°F., overnight at lower temperatures

TO HOLIDAY TEST -Six hours at 80°F., overnight at lower temperatures

IMMERSION: 72 hrs. @ 60°F or warmer, 7 days below 60°F

Note: Lower temperature, higher film build, and/or poor ventilation will retard dry time.

PHYSICAL DATA:

VOLUME SOLIDS: 100% (mixed)

SOLIDS BY WEIGHT: 100% (mixed)

WEIGHT PER GALLON: 10.51 ± .2 lbs/per gallon

VOLATILE ORGANIC CONTENTS: Combined – 0.0 lbs./gallon

HAZARDOUS AIR POLLUTANTS (HAPS) – 0.0 lbs./gallon

COLOR: Pool Blue

SAFETY DATA:

See individual product label for safety and health information. Individual Material Safety Data Sheets are available upon request.