

## UnitedBLUE™

## PHYSICAL PROPERTIES

Appearance	Clear/Amber Liquid
Mix Specific Gravity @ 25°C   77°F	9.16 lb/gal
Mix Viscosity @ 21°C   70°F cP	930

## MECHANICAL PERFORMANCE STANDARDS

## Flexural Radial Properties (ASTM D790)

## 1-Glass Layer

Modulus	300,000 psi (2,070MPa)
Strength	12,000 psi (82MPa)

## 2-Glass Layers

Modulus	800,000 psi (5,500MPa)
Strength	20,000 psi (137MPa)

## Tensile Radial Property (ASTM D638)

## 1-Glass Layer

Strength	12,000 psi (82MPa)
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## 2-Glass Layers

Strength	16,000 psi (110MPa)
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## Tensile Strength Retention

50-year	64.8%
100-year	63.5%

NOTE: One-layer fiberglass tubes can be used in 6"-10" diameter applications. Two-layer fiberglass tubes can be used in 8" diameter and greater.

## Extended Cure CIPP Resin

## DESCRIPTION

UnitedBLUE™ conforms to ASTM F1216 and is a NSF 61 Certified product formulated to provide extended pot life and working time in the field to assure quality installation of CIPP Potable Water Liners. UnitedBLUE technology allows for a longer working time without sacrificing fast cure times. UnitedBLUE has been developed and formulated to meet the demands of difficult lining projects. It can also be refrigerated at 0°C | 32°F and transported to the jobsite for large diameter CIPP applications. Liners can be held for up to 3 days.

## MIXING

Pour Part B in to Part A at the ratio. Use a drill with a mixing blade, for a minimum of 3 minutes. Mixture must be consistent in color to assure a full mix.

## UNITEDBLUE

- **Mix Ratio:** Refer to manufacturer's recommendation for proper mix ratio.
- **Potlife:** 24 hrs. — 20°C | 70°F
- **Refrigeration:** 3 days — 0°C | 32°F
- **Hot Water or Steam Cure:** As per manufacturer's recommendation.

UnitedBLUE resin system is not designed for ambient cure. Heat assisted cure is required.

## SAFETY

Always use safety glasses and protective clothing including gloves when using this product. UnitedBLUE contains Amine. Do not ingest. If UnitedBLUE comes in contact with eyes, flush immediately with water. Always read the container label warning and Safety Data Sheet prior to use.

