



Neopoxy LLC
23964 Clawiter Road
Hayward, California 94545
Phone: 510-782-1290
Fax: 510-782-1292
www.neopoxy.com

NPR-5701

CIPP FRP Fast-Curing Epoxy System

NPR-5701 is a fast-curing epoxy resin designed for pipe segment rehabilitation. The resin has excellent cure at low temperatures and develops high corrosion and chemical resistance. The excellent hydrophobicity of NPR-5701 aids the cure under damp conditions.

Typical Physical Properties

Typical Liquid Resin Properties

Specific Gravity (resin)	1.16 – 1.18 G/ml
Weight Per Gallon (resin)	9.7 – 9.8 Lbs
Specific Gravity (hardener)	1.22 – 1.24 G/ml
Weight Per Gallon (hardener)	10.2 – 10.3 Lbs
Specific Gravity (mixture)	1.19 – 1.21 G/ml
Weight Per Gallon (mixture)	9.9 – 10.1 Lbs

Typical Properties Clear Cast, 77°F (25°C)

<i>Mix Ratio (Resin/Hardener)</i>	<i>1 to 1 by Weight</i>
Initial Cure Time, 100 Grams @ 77°F (25°C)	30 Minutes
Hardness (Shore D)	> 80
Flexural Modulus	> 400,000 psi
Flexural Strength	> 8,000 psi

Viscosity (Brookfield LV), 77°F (25°C) @ 20rpm, spindle #64

Resin	12,000 – 15,000 cPs
Hardener	12,000 – 16,000 cPs
Resin/Hardener Mixture	9,000 – 11,000 cPs

Typical 140°F (60°C) Cured PET Felt Laminate Properties

Flexural Modulus (psi)	650,000
Flexural Strength (psi)	7,000
Young's Modulus (psi)	600,000