EXECUTIVE SUMMARY

NPR-5300 SERIES EPOXIES

Structural Epoxy System for Infrastructure Protection

Rev. 20260425

DESCRIPTION

Neopoxy NPR-5300 Series Epoxies are two-part 100% solids structural epoxy coatings with exceptional chemical resistance and adhesion to a variety of surfaces including concrete and steel. NPR-5300 Series Epoxies are designed specifically for municipal wastewater infrastructure requiring rapid return to service, long-term corrosion protection, and proven resistance to hydrogen sulfide and other corrosives.

Features & Benefits

- Protects and significantly extends service life of new or corroded concrete and steel infrastructure, including manholes, sumps, wet wells, pipelines, vaults, tanks, concrete surfaces, cracks, WTPs, and more.
- Top performing epoxy coating according to LACSD's "Redner Test: Evaluation of Protective Coatings for Concrete".
- Exceeds requirements of Greenbook Test, ASTM-1216, and chemical resistance test.
- High-build spray application up to 300 mils or hand application up to 500 mils in a single pass.
- Rapid cure time allows application area to go back into service within one hour.
- Zero VOC formulation supports worker safety.
- Contractor training and certification program.
- Available in proprietary "One-Step Epoxy Kit" with resin and hardener pre-packaged in the same bucket. No measuring, weighing, or messy cleanup.

History & Track Record

- Since 1999, NPR-5300 Series Epoxies have been used by hundreds of water utilities, municipalities, and private companies across over 40 US states and Canada.
- Preferred by major contractors, including Insituform (client since 2000), Michels (client since 2006), SAK (client since 2009), Granite (client since 2013), and LaFarge (client since 2015).
- Please refer to the Neopoxy website for select project references.

Physical Properties

Description	Data
Flexural Strength (ASTM D-790)	15,000 psi
Flexural Modulus (ASTM D-790)	600,000 psi
Tensile Strength (ASTM D-638)	7,500 psi
Tensile Modulus (ASTM D-638)	290,000 psi
Compressive Strength (ASTM D-695)	20,000 psi

Description	Data
Tensile Elongation (ASTM D-638)	5%
Adhesion to Concrete (ASTM D-4541)	Concrete Failure
Adhesion to Steel (ASTM D-4541)	>2,500 psi
VOC Content (ASTM D-3960)	0.0 Lbs/Gallon
Chemical Resistance (ASTM F-1216)	Requirements Met

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