

TECHNICAL DATA SHEET

NPR-3200 SERIES PVC ADHESIVES

Adhesive & Primer System for Infrastructure Protection

Rev. 20251215



DESCRIPTION

Neopoxy NPR-3200 Series PVC Adhesives are two-part 100% solids epoxy coatings designed to bond PVC materials to CIPP liners, concrete, rigid polymers, and a variety of other substrates. Unlike traditional PVC bonding methods that utilize hazardous and flammable solvents or cements, NPR-3200 PVC Adhesives contain no solvents or VOCs, fill gaps between surfaces (no tight contact required), cure in the presence of water, and yield excellent peel and shear strengths. May be used as a thin film or as a filler adhesive for repairs of all types. May also be used as a primer for NPR-5300 Series Epoxies. NPR-3200 PVC Adhesives come in five different viscosities to meet the needs of any municipal or private project.

FEATURES

- Contains no hazardous solvents
- 100% solids, no VOCs
- Non-flammable
- Chemical and corrosion resistant
- Cures in the presence of water
- Very strong surface bond
- Available in five different viscosities

USES

- Bonds PVC to a variety of substrates, including CIPP liners, concrete, rigid polymers, and more
- Fill gaps in PVC and across different substrates
- Used a primer in combination with NPR-5300 Series Epoxies, can be used to protect new or corroded concrete and steel infrastructure

VISCOSITY OPTIONS

Product	Viscosity	Application Method
NPR-3201	Super Low	Hand Application
NPR-3202	Low	Hand Application
NPR-3203	Medium	Hand Application
NPR-3204	High	Hand Application
NPR-3205	Super High	Hand Application

*All products above have identical physical properties. Consult with Neopoxy representative to determine which viscosity is most suitable for your application.

PACKAGING OPTIONS

- 2 Pint Set, 2 Gallon Set

PHYSICAL PROPERTIES

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Description	Standard	Data
Mix Ratio (Resin/Hardener)	-	1 to 1 by Volume
Initial Cure Time, 100 Grams @ 77°F (25°C)	-	4 Hours
Pot Life, 100 Grams @ 77°F (25°C)	-	30 Minutes
Appearance	-	Resin (Part A): Yellow Hardener (Part B): Amber Mixture: Yellow
Flexural Modulus	ASTM D-790	82,000 psi
Tensile Strength	ASTM D-638	2,000 psi
Tensile Modulus	ASTM D-638	76,000 psi
Tensile Elongation	ASTM D-638	40%
Volatile Organic Compounds (VOCs)	ASTM D-3960	0.0 Lbs/Gallon

DIRECTIONS FOR USE

SURFACE PREPARATION: All inflow and infiltration must be stopped prior to application. Clean PVC surface to be coated with water or mild detergent in order to remove contaminants. Surface moisture will not affect adhesion. In order to increase adhesion, applicant may abrade PVC surface using rough grit sanding.

APPLICATION CONDITIONS: The temperature of the air and surface to be coated should be between 40-80°F during application. It is important to apply the product while the temperature is either stable or falling. Relative humidity must be below 80%.

MIXING & HAND APPLICATION: Product must be mixed according to the Mix Ratio shown in the Physical Properties table in this document. Mix product in bucket with paint stick or right angle ½" drill (such as Milwaukee Super Hawg) with paint mixing paddle until there is no streaking and color is a consistent yellow. When mixing, make sure to scrape the sides and reach all the way to the bottom of the bucket. Using a paint trowel or putty knife, remove mixed epoxy from the bucket as rapidly as practical and safe. Spread the epoxy directly onto the surface to be protected.

CLEAN UP: Clean any surface spills or overspray as quickly as possible with mineral spirits or paint thinner. For cleaning skin, first wipe off epoxy with soft rag and then wash area with soap and warm water.

SHELF LIFE & STORAGE: Store product in closed container at 40°-80°F. Shelf life is one year from the manufacture date indicated on label.

SAFETY: Use of safety goggles, particle masks, coveralls, and chemical resistant gloves is recommended. Work in a clean, well-organized area with adequate ventilation. Keep uncured product containers tightly closed and away from children at all times. Please read and understand the full safety recommendations as set forth in the Safety Data Sheets (SDS) available on our website.

ADDITIONAL PRODUCT INFORMATION

COATING THICKNESS: Standard recommended coating thickness is 20-30 mils, but may differ depending on the specific application. For example, thickness may be substantially greater if filling in void between surfaces. Please consult with Neopoxy representative to determine the best thickness for your project. Since this is a 100% solids solvent-free product, there is minimal shrinkage. Wet and dry-film thicknesses are equal.

COVERAGE: One gallon covers 12 square feet at 1/8" thickness (125 mils).

CURE TIME: Epoxy is "temperature sensitive," meaning that it will cure faster at higher temperatures. Epoxy is also "mass sensitive," meaning that the larger the volume, the shorter the working time. **It is important to limit the mass of mixed epoxy by continuing to mix it to extend the working time.**

ENVIRONMENTAL: Neopoxy epoxies are comprised entirely of reactive solids (resin & hardener), which means that there are no solvents or thinners that evaporate during the curing process. Since the curing process binds all reactive components, the cured epoxies are inert, non-leeching, and safe for use on stormwater infrastructure, wastewater infrastructure, or for discharge into a wastewater treatment facility or natural body of water. Prior to mixing the epoxy, the applicant must handle the uncured resin and hardener with care and clean up any spills in accordance with local environmental regulations. For additional information please reference Safety Data Sheets (SDS) available on our website.

THINNING: To lower viscosity, place containers in heated room or submerge bottom of container in hot tap water. **Do not thin with solvents.**

WARRANTY & DISCLAIMER: Neopoxy LLC ("Neopoxy") warrants its products to be free of manufacturing defects in accordance with our internal quality control program. To the best of our knowledge the technical data contained herein is true and accurate on the date of publication. All Neopoxy products come with a manufacturer's product warranty active for one-year from date indicated on product label. This warranty exclusively covers Neopoxy products proven by the purchaser to be defective, up to but not exceeding either the purchase price of the product or a full replacement of the product. Neopoxy's warranty does not cover defects that arise from the contractor's improper storage, transportation, mixing, application, and/or workmanship. Our recommendations should not be taken as inducements to infringe any patent or violate any law, safety code, or insurance regulation.

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