



National Polymers Inc.

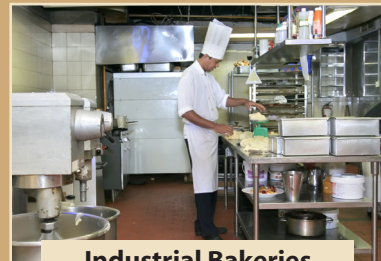
903SL Water Based Urethane Slurry



Meat/Dairy Processing



Commercial Kitchens



Industrial Bakeries

The product is a great choice for floors requiring hot wash down!

NP903SL is a bio-based three or four (with pigment) component urethane slurry that has outstanding wear performance and can withstand higher heat exposures than typical unmodified urethanes. The product is resistant to MVT and withstands moderate thermal shock, impact, abrasion, and chemical exposure.

Product Benefits/Applications

- Withstands heavy and abusive service
- Thermal Shock Resistant
- Unaffected by freeze/thaw cycles
- Cures down to 45 degrees F
- Low odor, fast installation and cure
- Great for food & chemical processing plants, bakeries, wastewater treatment, breweries/bottling plants, sanitize/wash areas, anywhere a durable shock resistant surface is needed.

National Polymers, Inc

800.831.5600 - www.nationalpolymers.com



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903SL Water Based Urethane Slurry

Solids By Weight:

Approximately 97% solids, liquids mixed with aggregate

VOC:

5 grams per liter

Film Thickness:

Final film thickness varies, dependent on concrete conditions and system used. Typical finished installation thicknesses vary from 1/8" to 3/16" dependent on broadcast aggregates and topcoats.

Coverage Per Kit:

The standard kit (approx 0.39 cu. ft.) typically yields 37-46 sq. ft./kit at approx 1/8".

Shelf Life:

6 months for unopened and properly stored containers

Finish Characteristics:

Slightly textured/rough finish when broadcasted

Compressive Strength:

8,400 psi @ ASTM C-579

Tensile Strength:

1,050 psi @ ASTM C-307

Bond Strength:

100% concrete failure @ ASTM D-4541

Flexural Strength:

2,700 psi @ ASTM C-580

Hardness:

Shore D = 80 typical

Impact Resistance:

160 in. lbs. @ ASTM D-4226

Resistant to Fungi Growth:

Passes rating of 1 @ ASTM G-21

Viscosity

When mixed, it forms a pourable slurry

Heat Resistance:

Can withstand up to 200F degrees

DOT Classifications:

Not regulated

Primer:

None normally required.

Topcoat:

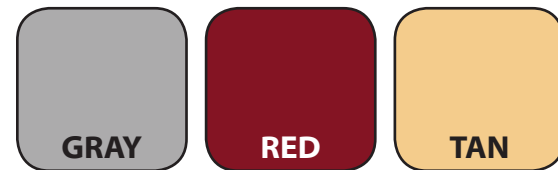
Optional

PACKAGING INFORMATION/Mix Ratio:

Part A: 7.25#, 1 Gallon Container (Not Full)

Part B: 7.25#, 1 Gallon Container (Not Full)

1 Bag Blended Aggregate (29#),
1# Bag dry pigment

STANDARD COLORS (actual colors will vary)**Cure Schedule (77 °F)**

Application Temperature: 45-85 °F with relative humidity below 85%.)

Pot Life	15 minutes
Light Foot Traffic	12 hours
Heavy Foot Traffic	24 hours
Full Cure	7 days

CHEMICAL RESISTANCE TESTING:

Spot testing per ASTM D1308 for Mustard, Ketchup, Lactic acid, vinegar, and lemon juice were performed and no physical damage to the exposed surface was observed. In 24 hour immersion testing, the following results were observed.

CHEMICAL EXPOSURE	PERFORMANCE
10% acetic acid	passed
30% nitric	passed
Sodium Hydroxide 50%	passed
Sulfuric Acid 30%	passed
Xylene	passed

See our technical data sheet for complete product details and application instructions.