

## TECHNICAL DATASHEET

### 513 NeoPoxy

#### DESCRIPTION:

NeoSeal<sup>®</sup> 513 NeoPoxy is a two-component water base coating composed of epoxy resin, hardener, inorganic pigments & special graded fine fillers, specialty additives for improving the performance of material. It provides excellent water and chemical resistance with improving adhesion, hardness, toughness and mechanical strength. It has an advantage of dilution with water for application over cementitious surfaces. It is used as an internal coating for the waterproofing treatments of water tanks with anti-microbial anti fungal properties.

#### TYPICAL APPLICATIONS:

- Damp proofing treatment for RCC water tanks.
- Internal damp wall treatment.
- Commonly used as a protective and waterproofing coating for concrete foundations, retention wall, retaining structure. It can be used below ground but above the water table level.
- Concrete and masonry block, Precast concrete, Architectural concrete.

#### FEATURES / ADVANTAGES:

- Deep penetrating pore action for long lasting protection.
- Provides a highly efficient barrier to water and salt ingress.
- Allows concrete and masonry surfaces to maintain breathability while providing high water repellency characteristics.
- It is non-flammable, non-hazardous, does not evolve toxic gases when exposed to fire.
- Non-toxic to human being.
- Safe for drinking / Potable water contact.
- Resistant to fungus and microorganism growth.

#### DIRECTIONS FOR USE:

##### 1. Surface preparation:

Prepare the surface thoroughly by cleaning, washing and removing dust, dirt, oil, grease and loose particles using wire brush and water jet. Break the weak portion of concrete surface near the area of repair and clean with water jet. Roughen the surface mechanically and dampen the surface with clean water. Remove corrosion deposit and clean the surface of exposed rebar.

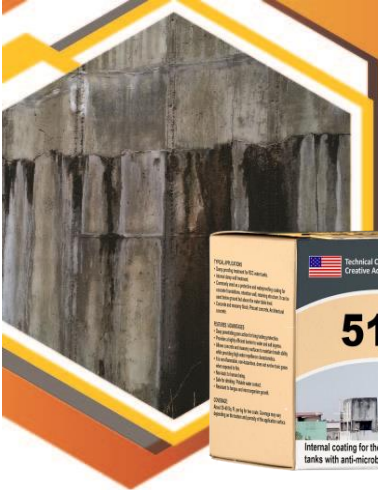
##### 2. Crack Filling:

Cracks of size up to 5mm should be filled by NeoSeal<sup>®</sup> 503 Crack Filler paste. Cracks wider than 5 mm should be filled by applying NeoSeal<sup>®</sup> 502 Latex Prime modified mortar slurry using putty blade properly. Let it dry for 24 hrs.

**NeoSeal Adhesive Pvt. Ltd.**

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA.

Email: [info@neoseal.net](mailto:info@neoseal.net), Ph: +91-90999 73544; [www.neoseal.net](http://www.neoseal.net)



### 3. Mixing:

1. Before using both components have to be individually stir properly using power stirrer.
2. Mix component A and Component B together the stir combined mix using power stirrer.
3. Dilute the mixed compound with water (in ratio of 1 part Base: 1 part Hardener: 1 part water) by slow addition and mix it thoroughly to get a brushable consistency.

### 4. Application-

#### 4.1 Waterproofing of RCC water tanks:

1. Apply a 1<sup>st</sup> coat of 513 NeoPoxy using a brush or roller and let it dry for 24 hrs. There is no ventilation inside the tank so let it dry proper.
2. Apply 2<sup>nd</sup> coat in a right angle to first coat using brush or roller and allow it to air cure completely for 7 days.
3. The coating must be cleaned thoroughly with plenty of water 6-7 times prior to storage the water in the tank.

#### 4.2 For Putty Application:

1. After mixing component A and Component B together the combined mix must be powered stirred.
2. Mix the above mixer with one part of cement and mix properly to achieve proper consistency and apply it to repair area.

#### 4.3 For Internal Walls:

1. Apply a 1<sup>st</sup> coat of 513 NeoPoxy using a brush or roller and let it dry for 24 hrs.
2. Apply 2<sup>nd</sup> coat in a right angle to first coat using brush or roller and allow it to air dry for 24 hours. The wall can be painted to desire colour.

### TECHNICAL INFORMATION:

#### Before Mixing-

PROPERTIES	Part A	Part B
Appearance	White thick paste	Off white paste
Solid Content	98±2	82±2
pH value	10.0±2	10.0±2
Sp. gravity at 27 <sup>o</sup> C	1.48 ± 0.02 gm/ml	1.24 ± 0.02 gm/ml
Viscosity	80k ± 5k cP	18k ± 4k cP

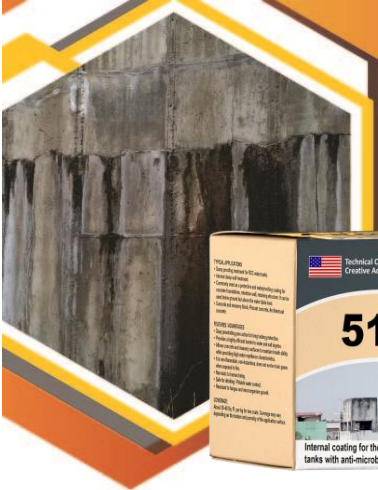
#### After Mixing (PARTA+PARTB+WATER)-

Mixing Ratio	1 Part Resin : 1 Part Hardener : 1 Water (By weight)
Pot life at 30 <sup>o</sup> C, Minutes	Min. 60 minutes
Surface dry time at 30 <sup>o</sup> C	2 - 6 hrs.
Water absorption	Nil
Adhesion Strength	<2.6 N/mm <sup>2</sup> .
Viscosity	20k ± 3k cP

### NeoSeal Adhesive Pvt. Ltd.

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA.

Email: info@neoseal.net, Ph: +91-90999 73544; www.neoseal.net



#### **COVERAGE:**

About 35–40 sq. ft. per kg for two coats and DFT about 700-800 microns. Coverage may vary depending on the texture and porosity of the application surface.

**PACKING:** 500gm., 1Kg.

#### **SHELF LIFE AND STORAGE:**

Best before 12 months from the date of manufacturing when in sealed pack and stored under proper condition. Store in a cool and dry place between 5° C to 35° C in closed condition and away from direct sunlight.

#### **PRECAUTIONS AND LIMITATIONS:**

All previous coating should be completely removed before the application of 513 NeoPoxy. When used on an exterior surface, it must be over coated by weather durable coatings. Avoid application below 10°C surface temperatures. At low temperature, drying and curing period will be extended. Don't add more water than recommendation. Not recommended for rising dampness.

#### **HEALTH AND SAFETY PRECAUTIONS:**

Wear suitable protective clothing, gloves and eye protection during mixing and application. In case of contact with skin, rinse with plenty of clean water and then cleanse with soap water. In case of contact with eyes, immediately rinse with plenty of clean water and take medical advice.

**NeoSeal Adhesive Pvt. Ltd.**

628/7, GIDC Savli, At. Manjusar, Vadodara – 391775, Gujarat, INDIA.

Email: [info@neoseal.net](mailto:info@neoseal.net), Ph: +91-90999 73544; [www.neoseal.net](http://www.neoseal.net)