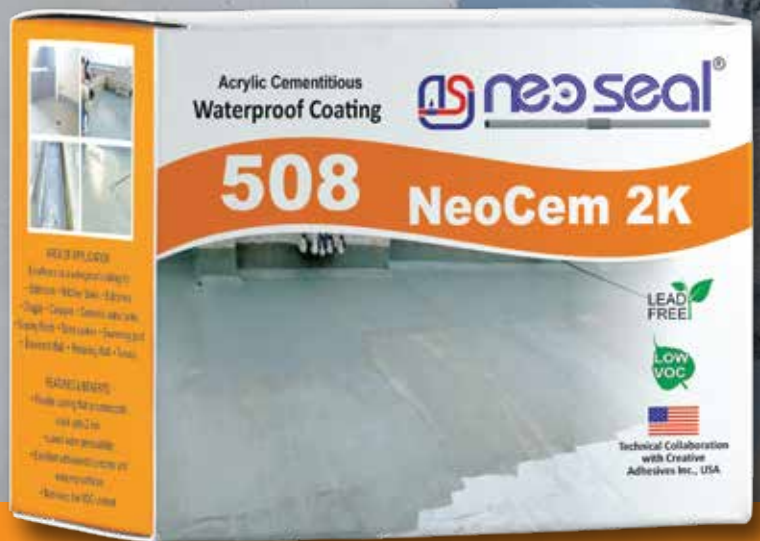




508 NeoCem 2K

TWO-PART CEMENTITIOUS WATERPROOF COATING



Technical Collaboration with
Creative Adhesives Inc. USA



AREAS OF APPLICATION:

- ◆ Bathrooms and Toilets ◆ Water tanks ◆ Basements
- ◆ Faces of dam walls ◆ Swimming pools ◆ Basins
- ◆ Storage tanks ◆ Balconies and terraces
- ◆ Concrete structures like pillars and beams for road and railway bridges ◆ Cooling towers ◆ Underpasses
- ◆ Water retaining walls

FEATURES & BENEFITS:

- ◆ **Flexibility** – Provides a flexible & low permeable coating.
- ◆ **Adhesion** – Excellent adhesion to concrete, natural and artificial stone.
- ◆ **Diffusion** – Excellent resistance to chloride ion diffusion and carbon dioxide.
- ◆ **Low temperature resistant** – Resistance to freeze-thaw cycles and de-icing salts.
- ◆ **Carbonation** – Prevents carbonation of cement

concrete.

- ◆ **Water permeability** – Excellent resistance to ingress of water.
- ◆ **Slip resistant** – Provides slip resistant coating.
- ◆ **Waterproof** – Waterproof for concrete structures.

COVERAGE:

Coverage depends upon the nature of the surface to be applied. But on average, smooth surface will give approx. 10- 12 sq. ft. per kg at in 2 coats. DFT about 500-600 microns.

PACKING SIZE: 3kg., 15kg.

SHELF LIFE: 12 months from the date of manufacturing when kept in cool, dry, unopened and undamaged original packing condition.

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METHOD OF APPLICATION:

1. Surface Preparation:

The application surface must be thoroughly prepared by mechanical means. Remove dirt, dust & loose particles etc. by air compressor or water jet. Oil & grease must be removed using degreasing solvents. Any damaged surface must be repaired by NeoSeal® 503 Crack Filler Paste OR NeoSeal® 502 Latex Prime modified repair mortars slurry.

2. Mixing:

Shake well the liquid container to a homogenous milky colour. Transfer the entire quantity of liquid component into a mixing vessel, gradually start addition the powder component under constant mixing using motor stirrer at slow speed at 250 – 300 rpm. Mix for approx. 5 – 6 minutes until homogeneous & uniform free flowing slurry formed.

3. Priming Coat:

♦ The application area must be pre-wetted thoroughly with water and brought to a touch dry state. Use the stiff nylon brush for the application. For the first coat work well into the substrate, to ensure that all small undulations are completely filled with the coating.

♦ Apply second coat after 6 to 8 hrs. in a direction perpendicular to the first coat. Complete the application and leave to air cure for 2 days.

♦ To protect the surface from the effect of direct sun light, place a moist hessian cloth on an application area. For the indoor application leave the coating area without water for at least 2 days.

♦ In new bathrooms, NeoCem 2K must be applied all over the sunken slab portion and upwards over the masonry walls up to a height of 6-7 feet to cover the splash zone of shower to ensure complete waterproofing.

♦ Binding Coverage:

• Apply slurry coat of mixed material for two coats at a coverage rate of 1.4 kg / sq. meter over the set concrete slab by a masonry brush.

♦ Concrete slabs or roof slabs:

• Two coats of mixed slurry to be applied to the set concrete at 1.5 – 2 kg / sq. meter by a masonry brush or roller.

♦ Pile Heads:

• Two coats of mixed slurry to be applied on to the pile head at 0.80 kg / sq. meter first coat and about 1.5 kg / sq. meter second coat either by a masonry brush or by appropriate power spray equipment.

♦ Water tanks and Swimming pools:

• Two coats of NeoCem 2K applied at 1.6 kg / sq. meter each coat by a masonry brush.

4. Precaution:

♦ Mix the entire quantity of both the components at once.

♦ Do not use external powder with the liquid other than the powder offered by us, it will affect the performance.

♦ Do not add water for dilution.

♦ Do not flood or over expose the treated surface to water until it is completely cured.

HEALTH & SAFETY PRECAUTIONS:

♦ **Skin Contact:** Wash skin with soap & water. Remove contaminated clothes.

♦ **On eye contact:** Immediately splash eyes with plenty of water. Consult Physician if irritation persists.

♦ **Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

TECHNICAL INFORMATION:

| No | Properties | Result |
|----|---------------------------------------|-------------------------------------------------------|
| 1 | Nature & Type | Two Component (1-part polymer liquid & 2-part powder) |
| 2 | Appearance | Milky white and grey after mixing |
| 3 | Mixing Ratio | 1:2 (Liquid: Powder) |
| 4 | Mix Appearance | Free flowing slurry turns grey upon curing. |
| 5 | Pot Life at 30°C | 30 to 40 Min. |
| 6 | Sp. Gravity at 30°C | 1.65 – 1.75 gm/ml |
| 7 | Tensile Strength | >0.55 N/mm ² |
| 8 | Elongation at break | Min 80% at DFT of 1 mm |
| 9 | Water Permeability | Excellent – no leakage observed after 24 hours |
| 10 | Resistance to positive water pressure | 5 Bar |
| 11 | Application Temperature | Above 5°C |
| 12 | Adhesion to Concrete | Excellent |



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