

NEROLAC PERMA

SUPER 2K सुपर 2के

Nerolac Perma Super 2K is a polymer-modified, cementitious acrylic waterproofing system with a wide scope of application in waterproofing and corrosion-inhibiting situations. Nerolac Perma Super 2K is a two-component material which forms a flexible, reinforced membrane upon curing.



PRODUCT FEATURES



50% film elongation



1 mm film thickness



Flexible coating



Strong adhesion



CFTRI certified

APPLICATION AREAS

- RCC terrace waterproofing and podium slabs.
- Basement retaining walls.
- Toilet and bathroom sunk.
- Concrete water tanks and swimming pools.
- Sealing leakages through cast iron, asbestos or stoneware pipes.
- Coatings on bridge girders and under-deck waterproofing of bridges.
- Sealing cracks in asbestos cement sheets and sealing 'J' bolt openings.
- Leaky plaster surfaces.
- Interior and exterior walls for dampness & efflorescence.

ADVANTAGES

- Nerolac Perma Super 2K membrane when applied on concrete surfaces, allows the concrete to breathe normally while waterproofing the area perfectly.
- Nerolac Perma Super 2K membrane is flexible, hence accommodating deflections and minor movements of the structure.
- Being acrylic-based, Nerolac Perma Super 2K has strong adhesion and corrosion-inhibiting properties.

COVERAGE

0.56 - 0.65 m²/Kg in two coats.

ACTION

When the two components i.e., the liquid and the polymer-modified cementitious powder is mixed, a smooth homogeneous slurry is obtained. This slurry, when applied using a brush on the surface to be treated, forms a flexible film which has a very strong adhesion to the applied surface. The film is totally waterproof and resistant to chemicals and pollution attacks.

DIRECTIONS FOR USE

STEP 1



Clean the area to remove all loose particles, oil, grease and any such deleterious products. Masonry surfaces should be fully cured prior to the application. In case of efflorescence, the cement plaster should be removed from the affected areas up till the brick level.

STEP 2



Surface cracks up to 10 mm or less should be opened, cleaned and filled with Nerolac Perma Crack Filler. Bigger cracks, damaged portions and hollow areas must be repaired with polymer-modified cement mortars made with Nerolac Perma Waterproof Polymer.

STEP 3



Prior to application, the surface must be in a Saturated Surface Dry (SSD) condition.

STEP 4



Mix the powder and the liquid ingredients of the product thoroughly to form a smooth homogeneous slurry. Avoid part-mixing the ingredients of the packaging.

STEP 5



Apply Nerolac Perma Super 2K slurry on the surface to be treated by a brush in 2 coats, while maintaining a gap of 4-6 hours in between each coat.

STEP 6



If Nerolac Perma Super 2K is applied on a vertical surface, sprinkle clean and fine sand while the second coat is still wet, for better adhesion of the subsequent treatment.

STEP 7



After curing of the Nerolac Perma Super 2K, immediately cover the treated surface with cement sand 1:4 plaster or screed the concrete and cure normally.

TECHNICAL INFORMATION

PROPERTIES	SPECIFICATION	RESULTS
Mixing ratio (Powder : Liquid), parts by weight		2 : 1
Pot life of the mix @ 30° C		40 min
Surface drying time	ASTM D 1640	30 min
Recoatibility time		4 - 6 hrs
Curing time after the 2 nd coat		72 hrs
Elongation at break for 1 mm DFT	ASTM D 412	50%
Pull-off adhesion strength	ASTM D 4541	1 Mpa
Positive hydrostatic pressure	DIN 1048	5 Bars
Negative hydrostatic pressure	ASTM D 7088	4 Bars
Crack-bridging ability	AS/NZS 4548.5	1 mm
Reduction in rapid chloride penetration	ASTM C 1202	< 100

PRECAUTIONS

- Do not add water for dilution.
- Do not flood the treated surface with water till the time Nerolac Perma Super 2K is completely cured for at least 72 hours.
- Cover the treated surface with a protective screed to avoid damaging the waterproof coating.

DOSAGE

Mix the entire quantity of both liquid and powder.

PACKAGING

Nerolac Perma Super 2K is available in 3 Kg and 15 Kg packs.

SHELF LIFE

Best before 12 months from the date of manufacture, when kept in a sealed pack and stored under proper conditions.

STORAGE

To be stored in a well-ventilated, shaded area; away from direct sunlight and water.

EHS INFORMATION

Avoid inhalation, eye and skin contact. In case of contact, wash with water and seek medical attention.

DISCLAIMER

KANSAI NEROLAC PAINTS LTD. (KNPL) warrants that all products are free from any defects of manufacturing and comply with the specification given in their respective technical data sheet. No warranty can be given as to the results of the usage because conditions of use, such as site conditions, surface preparations, workmanship, weather, structural issues and other factors are beyond the control of NEROLAC. Purchaser agrees to seek the advice of qualified professionals to carry-out tests and take trials to determine the suitability of products for their intended purpose prior to full-scale usage of **KNPL** products and assumes all risks.

The company does not assume any liability for unsatisfactory results, arising from the use of our products. Purchaser's sole liability is limited to the replacement of the product or refund of the purchase price paid, if any product is proven defective. No other warranties expressed or implied, shall apply including any warranty of merchantability or fitness for any particular purpose.

KNPL shall not be liable for any consequential damages arising from the use of our products for unsatisfactory results.

The information supplied in this data sheet is based on our experience through extensive research and is given in good faith in order to help prospective users. We reserve the right to update the information provided in our technical data sheet at any time without prior notice within the scope of technical progress or new developments.