

NEROLAC PERMA

CEMENT+



Nerolac Perma Cement+ is a liquid integral waterproofing compound composed of cement compatible, surface active agent, polymers & additives. It is used as an additive for cement concrete and mortar due to its plasticizing properties. It makes concrete cohesive and upon curing reduces water permeability

Product Benefits



Waterproofs concrete and plaster



Increases durability and strength of the concrete



Ensures superior workability



Resists corrosion of steel



Reduces rebound losses in plastering



Up to 10% of water reduction

Primary Uses

Nerolac Perma Cement+ is used for waterproofing of concrete and sand cement mortars used in basements, roof slabs and screeds, water tanks and water retaining structures, external & internal plastering, bathrooms and balconies, sumps and drains

Advantages

- Being a liquid easily dispersible and compatible with concrete / mortar mixes
- Makes the concrete / mortar more cohesive, hence no bleeding and segregation
- Increase durability by improving integral waterproofing of concrete
- It reduces permeability of water into concrete
- Economical than other waterproofing materials
- Reduces shrinkage and crack development in concrete
- Reduces the chances of honey combing in concrete

Dosage

200 ml per 50 Kg bag of cement

Application Method



Charge cement and aggregates into the concrete mixer as per mix design Mix concrete mortar without adding water for 1-2 minutes



Add 3/4th of required water into the mixture and mix for 3-4 minutes



In the remaining 1/4th water, add 200 ml of Nerolac Perma Cement+ for every bag of 50 Kg cement



Pour this into the concrete / mortar and mix for 3-4 minutes. Discharge the concrete / mortar for application. Cure the applied concrete / mortar as per good construction practices

Technical Information

PROPERTIES	SPECIFICATION	RESULTS
Appearance		Free flowing thin liquid
Colour		Dark brown
Specific gravity @25°C, g/cc		1.10 ± 0.05
Non volatile content, %		18 ± 2
Setting time, Minutes	IS 2645:2003	Passes
Compressive strength, MPa	IS 2645:2003	More than control
Chloride content, %	IS 2645:2003	Nil
Water permeability, %	IS 2645:2003	Passes

Precautions and Recommendations

Cure the applied concrete / mortar as per the good construction practices. Do not add Nerolac Perma Cement+ directly to Dry cement. Always add through gauging water

Packing

Nerolac Perma Cement+ is available in 200 ml, 1 ltr, 5ltr and 20 ltr packs

Shelf Life

Best before 24 months from the date of manufacture when in sealed pack and stored under proper condition

Storage

Keep in cool & dry place, out of reach of children

EHS Information

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

DISCLAIMER

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