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NIRMAAHAN

NGPL ShieldEx AC 2K





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2-component Flexible Cementitious waterproof Coating

Description:

NGPL ShieldEx AC 2K is a two component, acrylic modified cementitious waterproofing compound. It is uniquely formulated by using special polymers to increase its flexibility, water resistance and workability. It is based on the advanced acrylic polymer technology and is totally resistant to reemulsification.

Advantages:

- Bridges shrinkage cracks.
- Water impermeable upto 5 bar water pressure. Resistant to water which act strongly and aggressively towards concrete.
- Diffusion open & high crack-bridging
- Can be applied by brush, or sprayed.
- Bonds to moist surfaces without any prime coat
- Gives seamless and jointless flexible waterproofing

Areas of Application:

- Horizontal, Vertical or overhead applications
- Exterior (positive side) or interior (negative side)
- waterproofing of new or old below grade foundations
- Balconies, plaza decks, in combination with a UV protection
- Underneath tile mortars (showers, sanitary rooms, kitchens, pools etc.)
- Water, wastewater, sea water and marine aquarium tanks and other reinforced concrete structures



Method of Application

1) Surface Preparation

- Allow new concrete and masonry substrate to fully cure prior application.
- All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion. Spal led Concrete must be sound before applied.
- Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)
- 2 Mixing
- Using Portland mechanical mixer, slowly add Powder part to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life.
- 3 Applications
- Aquaseal AC 2K slurry can be applied by brush or trowel. DO NOT dilute with water. Recommended coverage rate is approximately 1.1 kg./m² /coat for 0.8 mm. thick of wet film thick (minimum 2 coat.)
- Allow the slurry to cure for at least 1 hour before applying a second coat.
- 4 Curing
- For maximum protection, allow 12 to 24 hours curing time after the second coat.
- Aquaseal AC 2K requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock -up or ponding tests on site

5) Cleaning

- Aquaseal AC 2K can be removed from tools and equipment immediately after use with clean water, only hardened material can removed mechanically.

Technical Data:

All data are averages of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity, and porosity of substrate may affect these values.

Mixing ratio: 20 kg powder (Part B) to 8 kg liquid (Part A)

Permeability: up to 50 m head pressure (positive side).

Water vapor Diffusion μ -value: 2000

Adhesive strength: 1.0 N/mm² @ 28d

Tensile elongation: 30% @ 20°C

Precautions & Limitations

- Aquaseal AC 2K is not suitable for traffic area application.
- Aquaseal AC 2K is a pre measure package. Do not dilute with water or add any more sand or cement.

Coverage / Consumption: 1 kg./m² /coat (minimum 2 coat)

Packaging: 28 Kg (Part A (Liquid) 8 kg & Part B (Powder) 20 kg

Shelf Life : 18 Months from the date of manufacturing in sealed condition. Store in a cool and dry place away from direct sunlight.



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