DryTex CW402
INGUARD-Concentrate

Crystalline Concentrate for Concrete Waterproofing

CW402-INGUARD Concentrate is a high performance crystalline admixture designed capillary waterproofing system for concrete structures even at high hydrostatic pressure by minimizing porosity permanently sealing pores and micro cracks by crystal forming pore blocking /organic pore plugging under pressure to protect concrete against water penetration. INGUARD-Concentrate ideally designed to be added to the concrete as admix during concrete batching / mixing and intended to achieve enhanced resistance to water migration by structurally integral protection. INGUARD -Concentrate also suitable to use as a surface coating,Reinforcing Mortar and Leak plug with recommended mix ratio.



Features & Benefits

- Avoids water condensation. it allows the passage of air. Resistant to aggressive of chemicals
- Non Toxic and recommended for potable water tanks .
- Increase concrete strength and life time
- Effective against both positive and negative water pressure
- Barrier against the penetration of water and chemical agents from any direction
- Becomes an integral part of the concrete
- Negligible influence on air entrainment
- Not a vapor barrier - allows concrete to breathe
- No corrosive effect on reinforcing metal

Field of Application

- Retaining walls and Precast concrete elements.
- External or basement renderings
- Water treatment plant Elevator pits
- Tanks, Tunnels, Dams
- Potable water tanks and waste water tanks
- Swimming pools and water features

Properties

Appearance	Powder
Specific Gravity	1.04 g/cm³@20°C
Solid	100 %
pH	9
Chloride content	Nil
Stabilization	Non-iconic
Freeze thaw stability	Good
Application temperature	5 C° to 45 °C
Dosage (Ref. concrete batch design)	0.8 Kg /m³ Concrete mix

*10% tolerance apply.

engineered to perform

Application & Admixture

INGUARD Concentrate should be distributed evenly through the dry mix prior to adding water. Pre-measured packs are available for easiness and accurate dosage . Since INGUARD Concentrate has a plasticizing effect , water reducing admixtures or air entrants should not be used in conjunction with it. Dosage 0.8 kg/cubic metre of concrete mix. This becomes an integral part of the concrete mass and acts as waterproof barrier

For surface coating application the dry mix ratio is 0.6 Kg silica sand : 0.5 Kg Cement : Inguard Concentrate 0.5 Kg. Thoroughly mix the dry mix.
To make the slurry :- 1 Water : 2.5 Dry mix powder. (add water to dry mix)
For application, damp the substrate to be applied and apply two coats at a rate of 1kg/ sq.m /coat .

For cracks, identify static cracks over 0.5mm that must be chased and repaired . Chase out to a depth of 40mm, dampen with water and prime with prepared slurry. Laminate in 40mm layers with INGUARD Concentrate Mortar
(By adding water to the prepared dry mix)

The casted concrete permanently active for the life of the structure by continuously protects the construction from any water penetration. INGUARD have the compatibility with all kinds of Portland cement and free of chlorides and other corrosive ingredients and gives protection of the steel of reinforced concrete from corrosion

Consumption

800 g /1 m^3 Concrete (May vary according to the project conditions and concrete batch design. For specific requirements , Contact OBS technical support team)

Packing :- 800 g bags to 20 Kg Bags

Health and Safety

Non Hazardous. if ingested seek medical advice. Please
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Storage and Transportation INGUARD, when stored on pallets in dry, cool area from moisture and direct sunlight, has a shelf life of 12 months.

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