DryTexCW401-INGUARD

Crystalline Waterproofing Admix for Concrete

CW401-INGUARD 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 can be added to the concrete during batching /mixing intended to achieve enhanced resistance to water migration by structurally integral protection.



INGUARD Waterproofer is suitable for all applications where resistance to water damage is necessary including external rendering and pointing, roof areas and structures below ground level. INGUARD does not change the rheology of concrete and improve mechanical performance.

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
- 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 – 1.0 % by weight of cement on the mixture

*10% tolerance apply.

engineered to perform

Application & Admixture

INGUARD to be added during concrete batch mixing at ready mix plant or job site mobile mixing together with all other components as per project mix design for evenly blended concrete to have a consistent and optimum performance. Pre-measured packs are available for easiness and accurate dosage. This becomes an integral part of the concrete mass and acts as waterproof barrier . INGUARD is compatible with all commonly used admixtures used in the production of high quality concrete .

INGUARD can be mixed separately with clean water to add at on site mobile mix . For this procedure, mix INGUARD with water separately with a ratio of 1Kg :1.25 L water to for a slurry initially. Then the prepared slurry to be added to the concrete at a ratio of 1 kg slurry/50 Kg cement and to be mixed well for 3 to 5 minutes in order to achieve a homogeneous mixture.

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

0.8/1.0 % by weight of cement (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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