

Crystalseal Admix

Cementations, Crystalline, Waterproofing Concrete Admixture ECO Friendly

Description	A dry powder admixture, effective in creating waterproofing concrete It consist of O.P.C, fine silica sand and active chemicals. These active chemicals react with moisture and by products of cement hydration to generate insoluble crystals throughout the pores and capillary tracts of the concrete. Thus, the concrete became permanently sealed against water, water bore contaminants from any direction
Where to use	• Reservoirs • Sewage and water treatment plants • Tunnels & subway systems • Foundations & basements • Swimming pools, decks bathrooms & elevators
Advantages	• Permanently waterproof concrete • Resist both positive & negative hydrostatic pressure (up to 50 m) • Resistant to chemicals (sulphates & chlorides) • Easy of application • Seal hairline cracks up to 0.5 mm • Breathable • Less cost and save time • Increase flexibility in construction schedule • Safe in contact with potable water
Properties	
Appearance	Gray
Specific Gravity	2.6
Compressive strength (28 days)	40 MPa
Water permeability DIN 1048 ASTM) D-4068, CRDC 48-92) pressure ≈ 50 m	No leakage
It complies with ASTM G1202, C 666, C -341, C-233 and NSFANSI Standard 61 Slump (30 min)	45mm
Mixing	• For ready mix plant (Dry Batch), the admix. Is added in powder form to the drum and then add the concrete materials and mix for 5 minutes. • For ready mix plant (central mix), the admix. Mixed with water to form a slurry (9 kg powder with 13.5 L. of water). Pour the concrete and mix for 5 minutes • For precast batch plant, add the admix to the aggregates, mix for 2-3 minutes before adding cement and water, then blend the concrete. • Do not add admix. Powder to wet concrete.
Theoretical dosage rate	• 1-1.5% by weight of cement (Regular concrete) • 0.8-1% by weight of cement (Ready mix concrete)
Packaging	15 & 5 Kg/Bag

Shelf life & Storage	One year in its sealed packs stored under proper conditions
Health and Safety	• Crystal seal admixture is non-toxic • Use gloves to avoid contact with skin • If skin comes in contact, wash immediately with soap and water. • Do not use solvents • Eye contamination must be immediately washed with water, then seek medical treatment.
Additional Information	PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction. PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request. PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.