

BUILD NEOCRYSTAL – ZP

Cementitious powder for crystalline chemical treatment
and waterproofing of concrete

DESCRIPTION : BUILD NEOCRYSTAL – ZP is a cementitious dry powder compound which acts as a unique crystalline chemical treatment system for waterproofing and protection of concrete. BUILD NEOCRYSTAL – ZP reacts chemically with concrete by forming hydration crystals, which migrate through the pores and capillary tracts of concrete and thus blocking the voids and micro-cracks. The product becomes an integral part of concrete.

FEATURES

- ❖ Easy to apply and cheaper than conventional treatment processes.
- ❖ It can be directly poured into freshly prepared concrete as dried shake or can be applied as slurry coating mixed with water on given surface.
- ❖ Water cannot penetrate through the concrete as the voids are totally sealed.
- ❖ The system is very effective for protecting reinforced steels from deterioration and oxidation.

BUILD NEOCRYSTAL – ZP system is equally good for either old or new concrete.

APPLICATION AREAS : BUILD NEOCRYSTAL – ZP can be effectively used for treatment in reservoirs, concrete block walls, concrete linings in tunnels, swimming pools, foundations, sewage and water treatment plants, construction joints of non-movement type, manholes, parking decks etc. However, BUILD NEOCRYSTAL – ZP is not recommended for moving joints.

SURFACE PREPARATION : Surface must be free from oil, grease, dirt, laitance, bitumen, paint or any other coatings. Surface should be free from excess water or frost but properly wet.

CURING : Misty fog of water required for continuous curing for 3 days. Heavy traffic or load of water or other chemicals for reservoir etc. should be avoided for at least 3 days of curing and 12 days thereafter for better results.

TECHNICAL DATA

Form	:	Powder
Colour	:	Grey
Mixing ratio	:	For brush application w/p ratio : 2:5 (by volume) For spray application w/p ratio : 3:5 (by volume) May vary according to type of sprayer and spray nozzle. Dry shake application w/p ratio : 1:6 (by volume)
Coverage	:	For normal application, coverage per coat is 0.9 kg / sq.mtr. However, it may vary depending upon the type of application.
Packing	:	25 kg. buckets
Storage	:	Keep in a cool and dry place at a temperature not below 10°C.
Shelf life	:	One year in unopened condition