for Better Quality & Durability

PS – PENETRATING SEALER

CETEX PS is silicate based high performing, deep penetrating concrete & masonry waterproofing sealer that forms a chemical barrier and protects concrete against water and moisture intrusion. It is based on natural minerals, and its selected silicates catalyst allows the product to penetrate into the concrete and create waterproofing barrier through the latest advances in nano technology. Its smaller molecular structure penetrates deep into the substrate forming an insoluble crystalline structure within the pores and capillaries increasing the density of the surface and thereby creating a resistant, consolidated, waterproof barrier against water and moisture. It can be applied on any concrete - cementitious surfaces like slabs, terraces, beams, columns, ramps, garages, walls, roads, bridges, tunnels, underpasses, trenches, wastewater pits, precast and much more.

MECHANISM

CETEX PS first reacts with the calcium hydroxide (free lime) to produce Calcium Silicate. It also reacts with other free oxides and hydroxides inside the concrete. Thus a 'nuisances' are converted to stronger molecules which strengthen the surface. Next, **CETEX PS** "gels" in the empty pores to fill it up which is firmly bonded to the surface by strong silanol bonds. Finally **CETEX PS** forms a microscopic siliceous layers on the surface which results in strong ceramic coating which is stable against UV and high temperature. This silicrous layer is also bonded to the surface by strong silanol bonds. Thus **CETEX PS** is a long lasting waterproofing and anti-carbonation treatment.

ADVANTAGES

- Penetrates in the surface to harden and decrease the porosity of the surface, which improves resistance of the surface against various gases and liquid chemicals, including water
- Improves abrasion resistance of surface and does not discolor or show pedestrian or vehicular wear marks.
- It is more stable and has lower efflorescence compared to than sodium based compounds
- Protects the surface against scratching or peeling thus making it dustproof.
- Concentrated for easy transportation and can be easily applied. It is economical to use.
- It can be applied in both new as well as old constructions.

PROPERTIES

Total Solids Content	:	29-30% approx.
Specific Gravity at 25°C	:	1.25 +/- 0.02
pH	:	Alkaline
VOC Content	:	Nil

APPLICATION METHODS

- Clean the surface before application. If there is old coating on the surface, like curing compound, paint etc., it should be removed. Fill and repair all holes, cracks and deteriorated areas. For best result, the surface should be dry to allow **CETEX PS** penetrate the pores and react. **CETEX PS** should be diluted with water 3 or 4 parts of water for 1 part of chemical. It can be applied on clean surface by using a low-pressure sprayer, by spreading evenly with a soft-bristled broom or pour on surface and spread evenly by viper/broom.

- For Horizontal surfaces, apply enough diluted **CETEX PS** to keep the surface wet for 30 minutes. If areas dry out before that, apply more diluted **CETEX PS**. In hot, dry or windy conditions dampen concrete before application to prevent flash drying. Remove any dried powder residue using a stiff broom, power sweeper or floor scrubbing machine, preferably wet.

- For vertical surfaces, apply from the bottom up. For maximum penetration and desired coverage rates, a wet-on-wet application is recommended; retreat within three to five minutes after initial application. Repeated applications should be made until the surface remains moist for a minute or so before solution disappears.

- Restrict usage of the treated surface for 12 hours.

PACKING & STORAGE

CETEX PS is available in 60 kg carboy or 250 kg barrel. When stored in an airtight, sealed container in normal conditions has a shelf life of 12 months.