

CWC® SMART WP 200

Integral waterproofing liquid admixture for concrete, plaster and mortars

DESCRIPTION

CWC®Smart WP 200 is a brown-colored liquid integral waterproofing compound based on cement dispersion polymers. The product mixes readily with water and disperses uniformly into concrete and mortar. It improves waterproofing by reducing permeability, lowering water demand for the required workability, and minimizing **segregation and bleeding**. **Compared to traditional powder-based** and conventional integral waterproofing compounds, **Smart WP 200** delivers higher efficiency and consistent performance.

INDICATIVE CHARACTERISTICS

Base component	CWCC's technology of special selective polymers, surface active agents and additives.
Color	Brown Colour
Density	~1.00 at 25°C
pH	≥ 6
Permeability to water	Confirms to IS 2645
Chloride content	As per IS:2645-2003

CHARACTERISTICS / ADVANTAGES

- **Advanced Technology** - Next-generation dispersion polymers ensure superior concrete performance across all grades.
- **Enhanced Strength** - Better cement particle dispersion improves hydration and yields higher compressive strength.
- **Workability & Cohesion** - Provides cohesive, workable mixes with reduced segregation and bleeding.
- **Durability** - Lowers permeability and protects reinforcement against corrosion for longer service life.

USES

- **Slope Roof Slabs** - Provides enhanced waterproofing and durability.
- **Flat Roof Slabs** - Ensures long-term protection against water ingress.
- **Beams** - Improves strength and reduces permeability.
- **Columns** - Enhances durability and corrosion resistance.
- **Slabs (general)** - Suitable for all structural slab applications.
- **Internal & External Plaster** - Ideal for preventing dampness and leakage in walls.
- **Repair & Renovation Works** - Effective in restoring durability and waterproofing in old or damaged structures.

APPLICATION INSTRUCTIONS

DISPENSING

- Mix cement, aggregates and sand and dry mix
- Add 50-70 % of required water and mix the mixture to make it moist
- Add CWC® Smart WP 200 to the remaining water and pour it in the mixing drum and mix the entire quantity for approx. 3 minutes to achieve homogenous mix
- Pour the mixture on a tray and use as per requirement and lay the concrete
- Cure as per normal procedure by ponding/ curing compound

DOSAGE

The Optimum dosage is 200ml for 50kg of cement. Site trials shall be carried out to validate the optimum dosage.

Note: Mix using Smart WP 200 will require much less water than normal mix for the same workability. Water reduction may be as much as 10% or more. If the moisture content of the sand or aggregate changes, i.e., it becomes wetter or dryer, then the amount of water used must be reduced or increased to give the original workability.



DO'S AND DON'TS

- **Do not** add Smart WP 200® directly to dry cement and aggregates.
- **Do** maintain the lowest possible water-cement ratio for best performance.
- **Do not** exceed the recommended dosage at any stage of mixing.

ESTIMATING

Dosage depends on the mix design and site requirements. For precise estimation, refer to technical guidance or conduct site trials.

PACKAGING

Smart WP 200® is supplied in **200 ml, 1 L, 5 L, 10 L, 20 L, and 200 L containers.**

STORAGE

Smart WP 200® has a shelf life of **24 months** when stored in unopened containers, in a dry and shaded place, at temperatures below **50°C**.

SAFETY

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.cwcchemicals.com

ADDITIONAL INFORMATION

The CWC range of associated products include high strength cementitious, epoxy grout, polyester resin-based mortar, Resin anchoring systems. Also available a range of products for use in construction; viz., admixtures, curing compounds, release agents, flooring systems and repair mortars.

Separate datasheets are available on these products.

Concrete Works Construction Chemicals Private Limited (CIN: U74999PN2021PTC199740)

An ISO 9001 Certified Company

Corp. Office: Office No. 70, Mahavir Center, Fourth Floor, Sector 17, Vashi, Navi Mumbai 400703.

Reg. Office: 1471 D.B. House, Office No. F-4, 4th Floor, Madhav Nagar Road-EWSD Sangli, 416416
Regional Offices

MUMBAI: E-401, Tower-2, Plot No. R1, Sector - 40, Seawoods, Darave, Navi Mumbai-400706, Maharashtra, INDIA.

CHENNAI: Plot No.494/ 1A, 2A. Koladi Road, Thiruverkadu Main Road, Ambattur, Chennai - 600058 Tamil Nadu, INDIA

