

RAMCO

HARD WORKER



**INTEGRAL
WATERPROOFING**

HW101

WATER RESISTANCE AND MORE

- ★ **REDUCES POROSITY**
- ★ **RESISTS STEEL CORROSION**
- ★ **IMPROVES WORKABILITY**

1/ 5/ 10/ 20L



Why HW Integral Waterproofing?

WATER RESISTANCE AND MORE

Hard Worker Integral Waterproofing is an excellent product for water resistance in concrete. Just up to 200 ml* per 50 kg of cement can reduce water permeability substantially — making the concrete denser and protected from the inside. By becoming part of the structure, HW101 strengthens concrete from within. It does all the above without changing the concreting process. Recommended for Foundations, Columns, Beams and Roof Slabs. HW101 has a unique property that strengthens the concrete by 10%.

REDUCES POROSITY

Fewer internal voids mean less water enters and far less damage follows. HW101 densifies the concrete mix to reduce the paths that water usually takes and therefore reduces porosity.

RESISTS STEEL CORROSION

By cutting water ingress, HW101 lowers the risk of rust in reinforcement bars thus extending structural durability from deep inside.

IMPROVES WORKABILITY

Compatible to all types of cement. HW101 helps in reduction of water up to 20% in the concrete mix. It keeps the concrete smooth, enhances cohesion, and does not affect setting time

*Only 75 ml to 100 ml is required for RAMCO SUPERCURE



WATER RETENTION
> 10%



CONCRETE
DENSITY



HIGHER COMPRESSIVE
STRENGTH



APPLICATION



Add ingredients – sand, cement and aggregates.

Do not add HW101 to dry concrete mix.



Add only half of the water required.



Mix concrete for 2-3 minutes.



Add HW (upto 200 ml* for a 50 kg bag of cement).

Adjust dosage for cement type.



Add balance water and mix well.

Use only enough water to reach desired consistency.



Scan to watch Application Video.

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