

# CIS POWDER WATERPROOF 521

INTEGRAL POWDER WATERPROOFING COMPOUND FOR PLASTER & CONCRETE

PRODUCT CATEGORY: INTEGRAL WATERPROOFING

## PRODUCT DESCRIPTION

- CIS POWDER WATERPROOF is composed of waterproofing additives, dispersed in inert fine filler. It is an integral
- Powder-waterproofing admixture used for waterproofing of concrete and cement plasters, because It makes
- Concrete cohesive, reduces porosity & improve water tightness.
- Standard compliances / Specification
- Meets the requirements of IS : 2645 – 2003 standard

## TYPICAL APPLICATION

- Basements,
- Roof slabs and screeds,
- Water retaining structures,
- External plastering,
- Bathrooms
- Balconies.

## FEATURES

- Corrosion - Chloride-free hence no chances of corrosion of reinforcement bars.
- Water seepage - As an effective pore filler, helps to fill capillaries and pores to prevent water seepage.
- Consistency - Makes the mix cohesive and denser, hence the concrete & plaster has reduced permeability.
- Economics – Most economical water proofing additive, reduces water absorption.
- Setting & strength - Does not affect the setting time and strength of the cured concrete.
- Compatibility – Compatible with all types & grades of cements

## PACKING:

1 KG

## METHOD OF APPLICATION

### HAND MIXING

- Add CIS Powder Waterproof to the dry mix of cement sand and mix evenly with a spade, until an even mix is



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## METHOD OF APPLICATION

- Obtained.
- Add the measured quantity of potable water as per decided W/C ratio and mix to a homogeneous & uniform consistency concrete / mortars.
- Place the mixed concrete / mortar into shuttering, provided
- Cure the concrete / mortar surface as per regular practices of water curing.

### MACHINE MIXING

- Charge the Cement & sand as per the mix design into concrete mixer & mix for one minute. Add 1Kg of CIS Powder Waterproof for every 50X2 kg bag of cement. & mix for one minute.
- Add the measured quantity of potable water as per W/C ratio and mix for 2-3 minutes to a lumps free Homogeneous concrete.
- Place the mixed concrete mortar into shuttering provided.
- Cure the concrete / mortar surface as per regular practices of water curing.

## PRECAUTIONS & LIMITATIONS

- Do not add CIS Powder Waterproof directly to water.
- Do not add CIS Powder Waterproof in wet concrete/ mortar.

Mix with dry mortar composition

## TECHNICAL INFORMATION

| PROPERTIES                  | SPECIFICATION | RESULTS                |
|-----------------------------|---------------|------------------------|
| Appearance                  |               | Free Flowing Powder    |
| Colour                      |               | Off White              |
| Bulk Density                |               | 0.45 G/ML TO 0.60 G/ML |
| Compressive strength, N/MM2 | IS : 2645-83  | Matches to control mix |
| Water permeability          | IS : 2645-83  | <50% OF CANTROL MIX    |

## DOSAGE

1 Kg CIS Powder Waterproof for 50x2 kg bag of cement

## HEALTH & SAFETY

- Use rubber hand gloves & safety goggles, while using CIS Powder Waterproof.
- In case of contact with skin, wash with plenty of water.
- Keep out of reach of children'