



CONSTROMAN U-313



INTEGRAL POWDER WATER PROOFING COMPOUND FOR CONCRETE & MORTAR

Description

Constroman U-313 is an integral powder-waterproofing compound 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,
- Water retaining structures,
- External plastering
- Bathrooms

Features

Corrosion :- Chloride-free hence no chances of corrosion of reinforcement bars.

Water seepage :- Makes the mix cohesive and denser, hence the concrete & plaster has reduced permeability & prevent water seepage.

Economics :- Most economical water proofing compound, 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.

Method of Application

1. HAND MIXING

- Use one pouch (25gm) of Constroman U-313 when hand mixing of mortar & concrete. Spread it evenly on the dry mixture.
- Add the measured quantity of potable water as per mix design and mix to a homogeneous concrete / mortars. Place the mixed concrete / mortar into shuttering before initial setting time.
- Cure the concrete / mortar surface as per regular practices of water curing.

2. MACHINE MIXING

- Charge the Cement & sand as per the mix design into concrete mixer & Simply Add one pouch (25 gm) of Constroman U-313 for every 50 kg bag of cement. & mix for two minute.
- Add the measured quantity of potable water as per mix design and mix to a homogeneous concrete / mortars. Place the mixed concrete / mortar into shuttering before initial setting time.
- Cure the concrete / mortar surface as per regular practices of water curing.



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TECHNICAL INFORMATION

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance		Free flowing powder
Colour		Off white
Bulk density- tapped, gm/ml		0.5 to 0.8
Setting time @ 30°C, mins	IS : 2645-83	Passes
Compressive strength, N/MM ²	IS : 2645-83	Matches to control mix
Water permeability	IS : 2645-83	<50% of control mix

Dosage: 25 gm of Constroman U-313 for 50 kg bag of cement.

Shelf Life

Shelf life is 36 months from date of manufacturing in unopened Packet. keep it in a cool & dry place.

Health & Safety

In case of contact with eye, wash with plenty of water. If irritation persists, obtain medical help. guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.



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