

# DECK ADMIX

## A HIGH PERFORMANCE WATERPROOFING ADMIXTURE

### INTRODUCTION

Deck Admix is a high performance concrete admixture specially used for basements, Under Ground Water Tank, Over Head Water Tank, as an essential waterproofing admixture. Deck Admix is used as an admixture for a high grade concretes. If used in specific dosage it totally enhances cohesive property of concrete with excellent workability.

In spite of the optimal composition provided for high strength concrete having good compactness, one may land up getting small voids or capillary pores up to 15% volume. This is generally due to extra addition of water at site intended for better workability or to make it easily pour-able. Deck Admix is designed keeping in view the ground realities of site. It contains selected proprietary chemicals that causes contraction of capillary pores and also converts water absorbing capillary forces into water repelling capillary forces due hydrophobic effect, thus reducing the passage of water through concrete.

Deck Admix is best suited for large concrete pours which are managed through batching plants and transported through transit mixers. Being a high performance waterproofing admixture, one can get totally capillary proof concrete.

### KEY FEATURES

- Resists water penetration and absorption.
- Makes the mix more workable (improves the slump)
- Makes the w/c ratio reduction possible.
- Does not change setting time nor adversely affect the reinforcement.
- Disperses rapidly and makes a homogeneous mix.
- Free from chlorides
- Provides an efficient and durable barrier against rain water, moisture and ground water.
- Makes the concrete waterproof.

### TECHNICAL DATA

Appearance	Grey powder
Bulk density	1500 Kg/ cu.m.
Dosage (by cement weight)	0.8 %

### APPLICATION PROCEDURE

1. Deck Admix is easy to use either in the batching plant or in a transit mixer at site. Deck Admix should be added to the concrete after all other components of the mix have been added. Concrete should be mixed for at least 3-5 minutes after addition of Deck Admix.
2. For the addition of Deck Admix in transit mixer, first mix desired quantity of Deck Admix (i.e. 400gm per 50kg of cement) in water to make thin slurry. Most preferred way is to mix 20kg of powder in 25liter of water and this slurry can be directly added into concrete in transit mixer.
3. E.g. - If transit mixer is having 6m<sup>3</sup> of concrete with cement content of 2100kg then one has to add 16.8kg

of Deck Admix and 21 liter of water to make slurry. Pour this slurry into transit mixer and run it for 5min so that Deck Admix can get thoroughly mixed into the concrete.

### PACKAGING

25 Kg Sack and 400 grams bag

### STORAGE

Deck Admix must be stored in unopened bags in cool and dry conditions. It has a shelf life of 6 months from the date of manufacture.

### HEALTH AND SAFETY

Kindly wear hand gloves and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not swallow, avoid contact with food or cooking utensils and keep away from children's reach. If splashed on to cloth or any other fabric, wash immediately otherwise it may leave permanent stain.

### PRODUCT DISCLAIMER

*This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental conditions while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.*