

# DECK PLAST RP

Retarding Plasticizer for High Performance Plaster Mix



## Introduction

Deck Plast RP is a special purpose high performance set retarding plasticizer especially designed for improved water retention capacity in mortars. The product is free from chlorides and other corrosive ingredients. Being a retarding plasticizer, the setting time is extended making the cement/lime from the mortar remain longer in the plastic stage. Deck Plast RP helps in formation of more micro crystals and therefore a stable gel.

Deck Plast RP is most suitable for cement mortars made from crushed sand which has more fines and requires higher W/C ratio to obtain a workable mix. Deck Plast RP at appropriate dosages exhibits excellent water retention capacity in mixed mortar and keeps the mortar fresh & workable up to 2 hours or even more without affecting the strength parameters. Deck Plast RP also prevents segregation and produces a cohesive mix.

Use of Deck Plast RP in mortar at a designed dosage will bring following improvements in the fresh mortar properties

- Improved workability with good time span
- Construction joints get avoided due to slow setting
- Good cohesive concrete
- Improvement in transport & pumping efficiency
- Uniform dissipation of heat of hydration and hence cracking (micro or temperature cracking) is prevented.

The dosing of Deck Plast RP renders possibility of late compaction of set retarded mortar with monolithic texture. It also provides a good resistance to penetration of water and reduces cracking due to creep & shrinkage.

Deck Plast RP by virtue of its long & defined retardation capacity is very useful in plastering in hot weather. Environmental conditions of temperature and wind do not affect the performance of plastering operations because of retarded setting.

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## Technical Data

Form	Transparent liquid – light brownish in color
Min. application temperature	20°C
Dosage (by cement weight)	0.5 to 0.75% Site trials are recommended to achieve optimum dosage

## Packaging

200 kg drums / 20 kg pails

## Storage

Store in the original container with the lid closed appropriately. Avoid extreme temperatures and direct exposure to sunlight. Keep in cool, dry and under shed. Deck Plast RP performs well for 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.

## 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 condition while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt about application performance.