

# CEMEK-R SET80 P

## Alkali Free Accelerator in Powder Form (Product Technical Data Sheet)



### DESCRIPTION

**CEMEK-R SET80 P** is an accelerating and waterproofing shotcrete admixture in powder form. They are sometimes finely modified to suit the particular brand of cement being used at site. It is chloride – free.

### USES

**CEMEK-R SET80 P** is used in concrete and mortar for shotcreting, gunniting or fast setting operations. It allows application / spraying even on to damp surface with slight infiltration. **CEMEK-R SET80 P** speeds up the work and contributes to good watertight ness of the sprayed concrete / mortar linings. **CEMEK-R SET80 P** improves overhead spraying and reduces rebound. **CEMEK-R SET80 P** is used for

sprayed concrete and mortar or shotcrete or gunniting in tunnels and galleries, retaining walls, embankment and tank linings.

### FEATURES

- Rapid setting, allows spraying / application to take place even on wet surface subject to slight infiltration.
- Rebound loss is minimized, thus reducing the costing.
- Excellent for overhead application
- Free of chloride or nitrate, safe with reinforcement. Highly waterproofing effects.
- Reliable – produced under rigid quality control and consistent quality is guaranteed.

### CEMEK (I) PRIVATE LIMITED

(An ISO 9001:2015 Certified Company)

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*"Comprehensive Solution for Constructions"*

# CEMEK-R SET80 P

## PROPERTIES

**Form** : White Powder

**Chloride Content** : Nil

**Consistency** : **CEMEK-R SET80 P** is formulated from carefully selected raw materials and is manufactured under control conditions to give a consistent product.

**Handling** : **CEMEK-R SET80 P** is formulated from chemicals which present no fire or health hazards.

**Storage** : In a cool and dry place.

## APPLICATION

**CEMEK-R SET80 P** (Powder) is mixed dry at a recommended dosage with the dry sand – cement or coarse aggregate: sand: cement mixtures. Large quantity of dry mix can be prepared if dry sand is used protected against moisture. When concreting is interrupted, care must be taken that water does not flow back in the supply hose causing the mix to set.

## DOSAGE

1 to 4 Kg per 50 Kg bag of cement. The optimum dosage should be determined by site trials. As a guide the rate of addition is generally in the range of:

*Dosages of CEMEK-R SET80 P	Gillmore Initial setting Time	Gillmore Final Setting Time
2% - 3%	2.0 – 4.20 Minutes	8.0 – 10 Minutes
4% - 6%	1.0 – 2.30 Minutes	3.0 – 5.00 Minutes

\*The above results are based on Gillmore Test using Ordinary Portland Cement.

## PACKING

Available in 25 Kg polythene lined HDPE Bags.

## SHELF LIFE

12 months if stored in dry condition in unopened packing.

## PRODUCT INFORMATION

Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evolution program may occasionally results in marginal changes in properties.

## FIRST AID!

- ❖ Eyes and skin: Flush eyes with water for 15 minutes. Contact a physician if irritation persists.
- ❖ Wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. Inhalation: Remove subject to fresh air. Swallowing: Dilute by giving water to drink and contact a physician promptly.
- ❖ Never give anything to drink to an unconscious person.

**Note:** - KEEP OUT OF REACH OF CHILDREN FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

## WARRANTY

Our products are manufactured under stringent National / International quality norms and guaranteed against any manufacturing defect. However, no liability can be accepted by us, as the conditions of use of such products are beyond our control.

## TECHNICAL SERVICE

- ❖ CIPL has an advisory service on concrete mix design & application of right products at right place, can be contacted if assistance is required.
- ❖ CIPL maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the Construction

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Industry. The Division will advise on the correct use and selection of right products at the right place.

- ❖ CIPL undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures; undertakes / delegates jobs as a package for total waterproofing system with guarantee.

## HEALTH & SAFETY

Inflammable. Smoking is prohibited during handling of product. Keep away from any source of ignition. Ensure proper ventilation and inhalation of vapours should be avoided. Use air circulator in a badly ventilated / confined area. Direct contact with skin should be avoided. Hence, suitable gloves and goggles are recommended. In case of direct contact with naked skin, remove the material immediately with soap and lukewarm water or a suitable remover. In case of accidental eye contamination, rinse several times with clean water and immediately contact an ophthalmologist.

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