

Talrakexpacem®

Expanding and plasticizing grout admixture



The Construction Alchemists

Description

Talrakexpacem® is a powdered admixture for cement mortars and site mixed grouts. It serves as a plasticizing agent and also as an expansive agent to compensate shrinkage. The mortar admixed with Talrakexpacem® allows to reduce water cement ratio there by increasing compressive strength over control mix. Additionally Talrakexpacem® also compensates for plastic shrinkage of the mortar/grout.

Features & Benefits

- Plastic shrinkage is compensated by gaseous expansion of the mortar.
- Low water cement ratio enhances impermeability of mortar and durability.
- Can be used for compensating shrinkage in the neat cement grout in pressure grouting works.

Primary Application

Talrakexpacem® is an admixture for site batched cementitious grouts where a reduced water/cement ratio and positive expansion is required. Applications include duct grouting in prestressed concrete, non-shrink additive for neat cement grout (slurry) for pressure grouting application.

Standard Compliance

Talrakexpacem® is a suitable pre-stressing grout admixture complying with BS 8110 Part 1, 1997, Annex A.

Technical Properties

Chloride content	Nil to BS : 5075
Time for expansion	15 minutes to 2 hours @ over 20°C
Compressive strength	Talrakexpacem® helps in reduction of w/c ratio while maintaining flow properties. Hence improves strength and long term durability
Setting time	Does not affect the setting time of cement based grout
Expansion character	Up to 4%
Compatibility	Compatible with all types of Portland cement and other Talrak admixtures.

Specification Clause

The grouting should be carried out with neat cement slurry mixed with plasticized expanding powder additive **Talrakexpacem®**. It should be chloride free and added at a dosage of 225 grams per 50 kg bag of cement. The grout shall compensate drying shrinkage by gaseous expansion up to 4% in plastic stage.

Estimating Packaging

Talrakexpacem® is supplied in 225grams foil pouch.

Dosage

225 grams per 50kg bag of cement.

Storage

Talrakexpacem® has a shelf life of 6 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Precautions

Health & Safety Instructions

Talrakexpacem® is non toxic. Wear suitable protective clothing, gloves, eye protective equipment. In case of contact with eye or skin rinse immediately with plenty of water and seek medical advice.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

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Important note :

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Ref : TCC/TDS/GA01 - R3