

Talrakplast® PC2035

PCE based hyper plasticiser for enhanced performance



The Construction Alchemists

Description

Talrakplast® PC2035 is a unique combination of new generation super plasticizer based on polycarboxylate ether polymer in a backbone configuration with side chain. The water demand in the concrete mix is substantially reduced by electrostatic repulsion forces, which disperse the cement particles in the concrete mix avoiding inter-particle friction. It is a light brown colour liquid, dispersible in water. Due to its effective dispersion property, Talrakplast® PC2035 enhances the hydration process. This effect is used either to increase the strength by reducing the water /cementitious without loss of workability of concrete or reduce cement content of concrete.

Features & Benefits

- Helps to produce cohesive pumpable mix.
- Compatible with most of the blended cements.
- Reduces shrinkage and increases strength due to low water content in the mix.
- Enhances the pore structure and impermeability.
- Increases durability.

Primary Application

Talrakplast® PC2035 is a high performance superplasticiser suitable for low and mid grade concrete and intended for applications where high water reduction and long workability retention is required

Technical Properties

Appearance	Pale yellow/light brown liquid
pH Value	7 - 8
Specific Gravity	1.075 - 1.120
Chloride Content	<0.2%
Alkali Content	< 1.5g Na ₂ O equivalent / 1 Kg
Slump Retention	Up to 180 minutes depending on dosage and ambient temperature

Application Instructions

Talrakplast® PC2035 is a ready to use liquid which is dispensed into the concrete after water is added. The addition of Talrakplast® PC2035 to dry aggregate or cement is not recommended.

Thorough mixing is essential and a minimum mixing time after the addition of the Talrakplast® PC2035 shall be for 60 seconds.

Dosage

The optimum dosage of Talrakplast® PC2035 to meet specific requirement is best determined by conducting laboratory and site trials. However the normal dosage ranges between 0.3% and 1% by weight of total cementitious material.

Over dosing

Over dosage may cause delay in setting and segregation.

Estimating Packaging

Talrakplast® PC2035 is supplied in 20kg & 235kg barrel.

Storage

Talrakplast® PC2035 has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C

Precautions

Health and Safety Instructions

Talrakplast® PC2035 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

Important note :

Talrak products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Talrak endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:

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Ref : TCC/TDS/CA03 - R4