

INSTACEM

Curing Free Quick Setting Cement

Technical Data Sheet

INSTACEM is curing free quick setting cement in accordance to ASTM C 1600 or alternate binder based on new generation microcrystalline technology.

INSTACEM when mixed with water reacts chemically to produce a cementitious paste and hardens in few hours with improved properties. It is more suitable for applications where speed, strength and durability are of primordial importance. It provides the users a value added alternative solution for today's most challenging construction, repair, and product offerings with the below specified unique advantages.

UNIQUE FEATURES

- Quick Setting (Can be extended)
- High Early Strength (Achieves 60% of its original strength in a day)
- No Curing Required and Non-Shrink
- Increased impermeability to water
- Superior Chloride and Sulfate Resistance
- Increased Fire Resistance
- Can set in low temperature condition
- Very high bond strength

SPECIFICATION

Form	Grey Powder
Fineness	4000 cms ² / kg
Air Content of Mortar Volume (%)	3%
Time of Setting (Minutes)	
Initial Set : 30 to 45 Minutes	Final Set : 60 to 90 Minutes
Compressive Strength	
4Hr (MPa)	15
1 Day (MPa)	25
7 Days (MPa)	35
28 Days (MPa)	50
Mortar Bar expansion	0.01





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PACKING

25 Kg HDPE bag

SHELF LIFE

1 year from the date of manufacturing if properly stacked and stored in unopened original packing, under shade in dry and frost free conditions.

SAFETY

The use of dust mask, safety goggles and gloves are recommended.

USES/APPLICATIONS

INSTACEM can be used for the manufacture of product lines which includes

- Replacement for Portland Cement in regular construction and repair applications with added advantages (Like No Curing, Quick setting properties - Ideal for a fast track project, Non Shrink properties - Ideal for Grouting applications, etc)
- Raw material for making premixed products (Rapid setting concrete repair mortars, Quick setting premixed plasters, Fast setting floor screeds, Crack fillers, Anchoring grouts, Micorconcrete etc)
- Self leveling underlayments
- Tile adhesives, Tile joint grouts
- Concretes for low temperature applications
- Precast products
- Shotcreting/spray on cement

DISCLAIMER: The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to change without notice.

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