CureFAST
CEMENT ADDITIVE

Additive For Rapid Set & Rapid Curing Times For Concrete

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## NextGen NanoComposite CEMENT ADDITIVE

# SAMPLE INSTRUCTIONS

**NOTE: The exact amount of additive will depend on your concrete mix. Testing and finding the optimal ratio is recommended before using the additive in a project. The percent needed will be determined based on the type of materials being used and where it is sourced from.**

### HOW DOES IT WORK?

It works by filling in the microscopic pores of the concrete and bonding them together. This makes it faster to cure the concrete and ultimately makes it stronger. Too much of the additive will fill the pores completely and not provide any strength. Too little of the additive, and the pores will be too open resulting in no strength increase.

At the right amount, the additive can fill the pores enough to allow it to bond to the concrete strengthening the entire system.

When added with other reinforcements such as rebar or steel, the additive protects the reinforcements from oxidation through water corrosion, ultimately keeping the concrete strong for a longer time.

### MIXING INSTRUCTIONS:

1) Measure out the dry ingredients of concrete (Sand, Gravel, Cement, Aggregate)

2) Mix dry ingredients until evenly dispersed and incorporated

3) Go to online calculator and insert values for amount of dry mass, amount of water, and optimum % loading. Mix CureFast Additive to water in amounts listed. Mix well

4) Add diluted CureFast water to concrete. Mix all components until evenly dispersed and desired consistency is obtained

5) Discard excess diluted CureFast water

CureFAST Example:
7.27g of additive mixed into 140ml of water used for 1 KG of dry mix.
(0.05% nanocomposite loading)

Dry Mix:
Cement 35% | Sand 15% | Gravel 50%

Note:
1ml of undiluted sample = 0.088g of nano composite.
Optimal % loading of nano composite is 0.01%-0.09% of dry mass weight.

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Ingredients: Carbon Nanotubes, Plasticizer, Water
Safety: Wear a mask when handling the additive. Wear gloves when handling the additive. If exposed to skin, immediately rinse and clean the contacted area with alcohol or water and soap. Do not ingest or inhale additive.
Disclaimer: This is a proprietary mix used for testing and is intended for use in sample testing.