



92 THOMAS RD PORT MURRAY, NJ 07865

# ConTec NC-505

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## Description

ConTec NC-505 is a non-corroding, chloride free accelerator. It does not corrode reinforcing steel or pre-stressed strands in concrete. It promotes strength development of the concrete and meets ASTM C 494 requirements as a type C admixture. NC-505 offsets the effects of cold weather by increasing hydration speed.

## Features/Benefits

- Compatible with all type of Portland cement.
- Offers a significant reduction in corrosion to steel reinforcing.
- Increases the early strength of a concrete mixture.
- Designed for use in cold weather concreting.
- Shortens setting time for concrete.
- Easily dispensed with conventional admix dispensers.

## Packaging

ConTec NC-505 is available in 55 gallon (208 L) drums weighing 620 lbs (281 kg) and 275 gallon (1041 L) totes weighing 3,150 lbs (1429 kg).

## Application

ConTec NC-505 is compatible in concrete with all commercial air entraining admixtures. The amount used will depend upon the setting time of the non-admixture concrete and the temperature at placement. It may be added to the mix on the sand or in the water.

## Handling/Storage

ConTec NC-505 will freeze at approximately -15° C. but can be completely restored by thawing and thorough agitation. It may cause irritation to eyes and skin upon contact. Proper protection should be worn.

## Addition Rates

The dosage range is 0.5 - 2.6 liters per 100kg of cement. NC-505 at 0.78 - 0.98 liter per 100kg of cement will reduce the setting time of typical Type 1 cement concrete by 2-3 hours at (10°C) and 25 to 50% increase in 3 day compressive strength is normally achieved.

## Typical Properties

Specific Gravity at 77°F.....	1.30 - 1.32
Viscosity at 77°F, cps.....	50 - 100
Weight per gallon .....	10.90
% Volatile matter (NVM(1)) .....	N/A

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