

# WIN 300

## GEO CHEMICAL WIN 300

### Cold Weather Concrete Admixture

#### Description

GEO CHEMICAL WIN 300 admixture is Antifreeze nitrate formulated that is based on multi component concrete additive. This product from selected polymers specially designed to enable the water content of the concrete perform more effectively with higher developed early strength, this effect can be used to improve early setting concrete, to increase ultimate strengths .

#### Application

WIN 300 admixture is used in condition such as:

- # Expected over night frost.
- # Concrete casting at low temperature.
- # To block,kerbistone,garden kerbstone,garde edge kerbestone.
- # To pre cast concrete.

#### Advantage

- # Increased frost resistance.
- # High reduction in water without loss of workability, with flow concrete.
- # Improved early and long term strengths.
- # Gives smooth surface.
- # Chloride free dose not attack reinforcement.
- # Increases the resistance of the concrete against water and frost.

#### Standards

- # BS EN 934-2 Chart 3.1 and 3.2 : High Range Water Reducer/ Superplasticizer Concrete Admixtures .
- # ASTM C494, TYPE C

#### Package

WIN 300 is available in 200 liter barrel, 1000 liter bulks supply,

#### Dosage

WIN 300 admixture are depending on performance expected from the concrete, it is between (% 1-2) of the binding material (cement, micro silica, fly ash) amount.

if dosed over % 2 in winter months, in order to find optimum admixture dosage, it is recommended to make experimental and aggregate used.

When it is required, GEO CHEMICAL Construction Chemicals Technical Support Unit should be consulted.

#### Compatibility

WIN 300 admixture is compatible with other GEO CHEMICAL admixtures used in the same concrete mix, if more than one type of admixture will be used in the concrete mix, they must be dispensed to the concrete separately.

#### Cleaning

WIN 300 admixture can be washed with fresh cold water, and should not be allowed to enter sewers or open bodies of water.

## Technical Properties

|                  |               |
|------------------|---------------|
| Color            | Light brown   |
| Freezing         | -18 c         |
| Chemical content | SODIUM NITARE |
| pH               | 7-9           |
| Density          | 1.12-1.15     |
| Chloride content | Free Limit    |
| Alkali           | < 5           |

## Storing Condition

It is store in dry condition, WIN 300 series has minimum shelf life of 12 months from date of manufacture if stored properly in its original unopened packing.

If the additive is frosted under +5 c it should be thawed by waiting at ambient temperature without using direct heating and mixed until it becomes homogeneous.

Compressed air should not be used during this operation.

## Security Information

All technical information stated out in this product data sheet are based on laboratory experiments, Users can get physical, toxicological, geological information and recommendations related to carrying, storing and safe disposal of chemical products from (MSDS) Material Safety Data Sheet of product.

WIN 300 should not come into contact with skin and eyes that is classified as hazardous material.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

## Fire

WIN 300 series is nonflammable

