

Corromix SP 505

Corrotech Construction Chemicals concrete admixtures

Reference No.	TDS / ADMIX / SP505
Issue Date:	August 2016
Revision No.	1

Product Features

Corromix SP 505 is a polynaphthalene based synthetic polymer. It promotes excellent dispersion of particles in concrete, resulting in a major improvement in the workability. It produces high quality pumpable concrete. The mechanical strength of flowing concrete is not changed when using **Corromix SP 505**.

Benefits

- Enhances the workability retention of concrete in hot climates.
- High water reduction ability.
- The dispersion properties of **Corromix SP 505** allow the user to optimise the cement content when a specified mechanical strength is required.
- As the particles are highly dispersed, the hydration of the binder is enhanced, resulting in a substantial water reduction and an increase in both early age and ultimate compressive strength of over 30%.

Areas of application

Corromix SP 505 is recommended for all concrete mixes where water content, improved cementitious material performance, high workability retention and high strengths characteristics are desirable.

1. All types of cement
2. Heavy prefabrication
3. High performance concrete
4. Pre-stressed concrete
5. Ready-mix concrete
6. Concrete of humid, plastic or fluid consistency
7. High strength concrete with high workability retention
8. Compatible with Micro silica, GGBS and Fly Ash.

Description

Corromix SP 505 is a chemically stable liquid.

1. Nature : liquid
2. Colour : Brown
3. Density : 1.220 ± 0.020
4. pH : 7 ± 2

Corromix SP 505 does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

Packaging

- Bulk
- Cubitainers: 1000 L

Standard specifications

Conforms to ASTM C 494 Type A and F

Directions for use

Dosage

Between 0.8 and 2.0 kg per 100 kg of cement.

A 1.3 % dosage of the product to the weight of cement is commonly used.

Corromix SP 505 is completely miscible in water. It can be added to part or all of the mixing water depending on the required plasticity. The correct quantity of **Corromix SP 505** should be measured using a recommended dispenser.

To make high workability concrete, best results are obtained when **Corromix SP 505** is added directly into the mixer. For readymix concrete, **Corromix SP 505** can be added into the truck mixer just before placing the concrete, then mix again for at least 2 min before pouring

Because local job conditions vary, please contact your local Corrotech sales representative for further assistance if using outside recommended dosage ranges.

Compatibility

Corromix SP 505 is compatible with all types of Portland cement, class C and F fly ash, slag, micro silica, calcium chloride, fibers and approved air entraining admixtures.

Precaution

Store away from frost. Use **Corromix SP 505** at a temperature superior to 0°C.

Should the product freeze, its properties can be recovered after thawing and agitating thoroughly.

This product must be stored in plastic containers, but not in PVC.

Shelf life: 12 months.

Corromix SP 505

Corrotech Construction Chemicals concrete admixtures

Safety

Corromix SP 505 is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.