

## Corromix SP 210

### Water reducing plasticizer concrete admixture

Reference No.	TDS / ADMIX / SP210
Issue Date:	July 2018
Revision No.	1

#### Product Features

**Corromix SP 210** is specifically formulated to promote dispersion of particles in concrete resulting in a major improvement in the workability.

**Corromix SP 210** optimizes the dosage of cement required to obtain a given concrete compressive strength. For an equivalent plasticity and after reducing the quantity of mixing water:

- the concrete is denser
- there is reduced capillary action
- depending on the dosage, there is an increase in compressive strength after 24 hours.

#### Benefits

- Enhances the workability retention of concrete in hot climates.
- The dispersion properties of **Corromix SP 210** allow the user to optimise the cement content when a specified mechanical strength is required.
- Water reduction ability.
- **Corromix SP 210** reduces the permeability of the concrete.

#### Areas of application

**Corromix SP 210** 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. Pre-stressed concrete
4. Ready-mix concrete with stable workability
5. Concrete of humid or plastic consistency
6. Precast concrete

#### Description

**Corromix SP 210** is a chemically stable liquid.

1. Nature : liquid
2. Colour : Brown
3. Density :  $1.15 \pm 0.020$
4. pH :  $7 \pm 2$
5. Cl- ions content nil to EN 934 and BS 5075

**Corromix SP 210** 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 standards ASTM C 494 Type A, B and D and G, and BS EN 934-2.

#### Directions for use

##### Dosage

Between 0.4 and 2.0 kg per 100 kg of cement.

A 1.0 % dosage of the product to the weight of cement is commonly used.

**Corromix SP 210** 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 210** should be measured using a recommended dispenser.

The optimum dosage of **Corromix SP 210** can only be established after trial tests, taking into account local conditions affecting the workability of the mix and the mechanical properties required from the concrete.

For ready-mix concrete, **Corromix SP 210** 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 210** 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 210** at a temperature superior to 0°C.

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

## Corromix SP 210

### Corrotech Construction Chemicals concrete admixtures

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

Shelf life: 12 months.

#### Safety

**Corromix SP 210** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.