

## Corromix PC 710

### Superplasticizer – high range water reducer

Reference No.	TDS / ADMIX / PC710
Issue Date:	August 2017
Revision No.	1

#### Product Features

**Corromix PC 710** is a new generation superplasticizer – high range water reducer, based on modified polycarboxylate.

**Corromix PC 710** is especially recommended for concrete requiring high early age and long term strengths, whilst maintaining the workability.

It produces high quality pumpable concrete.

The mechanical strength of flowing concrete is not changed when using **Corromix PC 710**.

#### Benefits

- Dramatically increases early compressive and flexural strengths without detriment to ultimate strengths
- Enhances the workability retention of concrete in hot climates.
- The dispersion properties of **Corromix PC 710** 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 PC 710** 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. Heavy precast concrete
8. Compatible with Micro silica, GGBS and Fly Ash.

#### Description

**Corromix PC 710** is a chemically stable liquid.

1. Nature : liquid
2. Colour : Brownish
3. Density : 1.02 ± 0.020
4. pH : 4.5 ± 2

**Corromix PC 710** 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
- IBC: 1000 L

#### Standard specifications

**Corromix PC 710** conforms to ASTM C 494 Type A, E and F and BS EN 934-2.

#### Directions for use

##### Dosage

Between 0.5 and 3.0 kg per 100 kg of cement. A 1.0 % dosage of the product to the weight of cement is commonly used.

**Corromix PC 710** 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 PC 710** should be measured using a recommended dispenser.

To make high workability concrete, best results are obtained when **Corromix PC 710** is added directly into the mixer.

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

#### Compatibility

**Corromix PC 710** 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

- Protect from frost. Use **Corromix PC 710** at a temperature above 10°C.
- Should the product freeze, its properties can be recovered after thawing and agitating thoroughly.
- This product must be stored in plastic containers. Avoid the use of PVC containers.
- Shelf life: 12 months.

#### Safety

**Corromix PC 710** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.