

## Corromix PC 840

### New generation superplasticizer high range water reducer

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#### Product Features

**Corromix PC 840** is a new generation superplasticizer – high range water reducer, based on modified polycarboxylate.

**Corromix PC 840** is especially recommended for concrete requiring high early age and long term strengths, whilst maintaining the workability.

**Corromix PC 840** enables the production of concrete with very low W/C ratios.

**Corromix PC 840** enables the production of self-leveling concrete.

#### Benefits

- Enhances the workability retention of concrete in hot climates.
- High water reduction ability.
- The dispersion properties of **Corromix PC 840** allow the user to optimise the cement content when a specified mechanical strength is required.

#### Areas of application

**Corromix PC 840** is recommended for all concrete mixes where water content, improved cementitious material performance, high workability retention and very high strengths characteristics are desirable.

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

#### Description

**Corromix PC 840** is a chemically stable liquid.

1. Nature : liquid
2. Colour : Clear to brownish
3. Density :  $1.08 \pm 0.02$
4. pH :  $5 \pm 2$
5.  $Cl^-$  ion content : nil

**Corromix PC 840** 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 840** conforms to ASTM C 494 Type A, F and G and BS EN 934-2.

#### Directions for use

##### Dosage

Between 0.5 and 3.5 litre per 100 kg of total cementitious material. A 2.5 % dosage of the product to the weight of cement is commonly used.

**Corromix PC 840** can be added to the water before mixing the concrete. However, if needed it can be added to the concrete after mixing.

Dosage rates of **Corromix PC 840** are dependent upon desired concrete performance characteristics and variables including cement quantity and chemistry, concrete temperature and curing conditions.

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

#### Compatibility

**Corromix PC 840** is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining admixtures.

#### Precaution

- Protect from frost. Use **Corromix PC 840** 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 840** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.