

Corromix PC 810

High performance polycarboxylate based concrete admixture.

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Product Features

Corromix PC 810 is a new generation superplasticizer based on modified polycarboxylate and synthetic polymers.

Thanks to its specifically designed molecular structure, **Corromix PC 810** enables the concrete manufacturer to produce cohesive, low viscous concrete with long workability retention.

Corromix PC 810 has been developed to maintain fresh concrete workability without compromising the setting time.

Corromix PC 810 enables the production of self-leveling concrete.

Benefits

- **Corromix PC 810** allows concrete with the importance on workability to be obtained, while reducing the water / cement ratio.
- Enhances the workability retention of concrete in hot climates.
- The dispersion properties of **Corromix PC 810** allow the user to optimise the cement content when a specified mechanical strength is required.

Areas of application

Corromix PC 810 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.
10. Extended workability concrete
11. White or pale concrete

Description

Corromix PC 810 is a chemically stable liquid.

1. Nature : liquid
2. Colour : Brownish
3. Density : 1.05 ± 0.02
4. pH : 6 ± 2

Corromix PC 810 does not contain any 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 810 conforms to ASTM C 494 Type A, F and G.

Directions for use

Dosage

Between 0.5 and 2.5 kg per 100 kg of total cementitious material. A 1.0 % dosage of the product to the weight of cement is commonly used.

Corromix PC 810 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 810** 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 810 is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, fibers and approved air entraining admixtures.

Precaution

- Protect from frost. Use **Corromix PC 810** at a temperature above to 10°C.
- Do not allow product to freeze
- This product must be stored in plastic containers. Avoid the use of PVC containers.
- Shelf life: 12 months.

Safety

Corromix PC 810 is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.