

Corromix PC 700

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New generation admixture for high volume fly ash and slag concrete

Product Features

Corromix PC 700 is enhanced by technology which combines latest polymers along with most advanced developments in terms of hydration rate enhancement.

Corromix PC 700 is especially recommended for concrete requiring high early age and long term strengths, for precast application which include high volume fly ash and slag.

Corromix PC 700 enables the production of concrete with very low W/C ratios.

Corromix PC 700 enables the production of self-leveling concrete.

Benefits

- **Corromix PC 700** provides a cost effective means to produce user friendly high volume fly ash (HVFA) and slag concrete offering normal setting characteristics, controlled heat of hydration, improved workability and finish ability, enhanced strength development and superior hardened concrete properties.
- Dramatically increases early compressive and flexural strengths without detriment to ultimate strengths.
- Thanks to its short term performances, **Corromix PC 700** allow either to reduce the time before demolding or to save energy by decreasing temperature or time of steam curing.
- Improves the efficiency of cement in concrete, effectively reducing the quantity of cement required to achieve specified concrete properties. Better cement efficiency means less CO₂ and less pollution.

Areas of application

Corromix PC 700 is recommended for all concrete mixes where the usage of high volume fly ash and slag, without affecting the setting time and early strength and match the normal concrete properties.

Corromix PC 700 is recommended for all concrete mixes where water content, improved cementitious material performance accelerated set times, reduced curing costs and very high early strengths characteristics are desirable.

1. High volume Fly Ash Concrete (HVFA)
2. High volume Slag Concrete (HVSC)
3. All types of cement
4. Heavy prefabrication
5. High performance concrete
6. Pre-stressed concrete
7. Precast concrete
8. Concrete of humid, plastic or fluid consistency
9. Self-levelling concrete
10. Compatible with Micro silica and other cementitious materials

Description

Corromix PC 700 is a chemically stable liquid.

1. Nature : liquid
2. Colour : Brownish
3. Density : 1.05 ± 0.02
4. pH : 6 ± 2
5. Cl⁻ ion content : nil

Corromix PC 700 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 700 conforms to ASTM C 494 Type E and F and BS EN 934-2.

Directions for use

Dosage

Between 0.3 and 2.5 kg per 100 kg of cement. A 1.0 % dosage of the product to the weight of cement is commonly used.

Corromix PC 700 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 700** 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 700 is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining admixtures.

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Precaution

- Protect from frost. Use **Corromix PC 700** 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 700 is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.