

## Corromix SP 400

### Corrotech Construction Chemicals concrete admixtures

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#### Product Features

**Corromix SP 400** is based on a blend of synthetic polymers. It promotes excellent dispersion of particles in concrete resulting in a major improvement in the workability. There is no segregation when the composition of the concrete is correct.

**Corromix SP 400** is particularly suited for increasing and maintaining concrete workability at high temperatures. The mechanical strength of flowing concrete is not changed when using **Corromix SP 400**.

#### Benefits

- Enhances the workability retention of concrete in hot climates.
- Multi-dosage flexibility allows usage from plasticizer to superplasticiser.
- The dispersion properties of **Corromix SP 400** allow the user to optimise the cement content when a specified mechanical strength is required.
- Shrinkage and porosity are reduced, enhancing durability.
- Substantial water reductions for the same workability.

#### Areas of application

**Corromix SP 400** 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. Piling and mass pour concretes
4. Pre-stressed concrete
5. Ready-mix concrete
6. Concrete of humid, plastic or fluid consistency
7. High strength concrete with high workability retention
8. Compatible with Micro silica, GGBS and Fly Ash.

#### Description

**Corromix SP 400** is a chemically stable liquid.

1. Nature : liquid
2. Colour : Brown
3. Density :  $1.160 \pm 0.020$
4. pH :  $7 \pm 2$

**Corromix SP 400** 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 ASTM C 494 Type A, D, F and G, 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 400** 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 400** should be measured using a recommended dispenser.

The optimum dosage of **Corromix SP 400** 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.

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

#### Compatibility

**Corromix SP 400** 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 400** at a temperature superior to 0°C.

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

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

Shelf life: 12 months.

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### Safety

**Corromix SP 400** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.