

## Corromix AC1

### Corrotech Construction Chemicals concrete admixtures

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#### Product Features

**Corromix AC1** is a non chloride based set accelerating admixture which helps the first reactions of hydration especially at low temperature.

**Corromix AC1** reduces significantly setting time and improves early compressive strengths.

#### Benefits

- Set is accelerated and mechanical strength grows rapidly, so that frost does not damage fresh concrete.
- Works as a catalyst for hydration reaction, especially at low temperatures.
- Is a special formulation product which accelerates the hardening of concrete.

#### Areas of application

**Corromix AC1** is especially adapted for any concrete application requiring increased early compressive or flexural strengths without detriment to ultimate strengths.

1. Compatible with all types of cement
2. Recommended for CEM III cement
3. Precast (with or without steam curing)
4. Molded concrete
5. Pre-stressed concrete
6. Ready-mixed concrete
7. Traditional construction
8. All concreting when high early strength are needed

#### Description

**Corromix AC1** is a chemically stable liquid.

1. Nature : liquid
2. Colour : Clear to yellow
3. Density :  $1.175 \pm 0.020$
4. pH :  $8 \pm 2$

**Corromix AC1** 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

- IBC : 1000 L
- Bulk

#### Standard specifications

**Corromix AC1** conforms to BS-EN 934-2

#### Directions for use

##### Dosage

Between 0.4 and 2.5 kg per 100 kg of cement.

A 1.5 % dosage of the product to the weight of cement is commonly used.

**Corromix AC1** 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 AC1** should be measured using a recommended dispenser.

The optimum dosage of **Corromix AC1** can only be established after trial tests, taking into account local conditions, materials and specification requirements.

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

#### Compatibility

**Corromix AC1** 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

Spillage of **Corromix AC1** should be absorbed onto sand earth or vermiculite and disposed through authorised waste management companies. Remnants can be hosed down with large volumes of water.

Shelf life: 12 months.

**Corromix AC1** is compatible with other Corromix admixtures when used in the same concrete mix, but should be added to the mix separately and must not be mixed together prior to addition.

#### Safety

**Corromix AC1** is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.