

# Cormix® P20

## WATER REDUCING PLASTICISING AND RETARDING CONCRETE ADMIXTURE

### DESCRIPTION

**Cormix P20** is a ready to use set retarding & water reducing stabilizer used to control setting times of concrete or cement based grouts by varying the dosage as necessary. Concrete or grouts containing **Cormix P20** will have setting times significantly longer than those containing normal water reducing & retarding admixtures.

**Cormix P20** allows for significant delays in concreting or grouting, and can be used in mass concreting in for example, marine structures and dams, or for the stabilising of grout when tunneling.

### USES & ADVANTAGES

**Cormix P20** can be used in large continuous pours, where cold joints are anticipated in joint areas in under water concreting, for hot weather concreting and in tunnel grouting.

#### Advantages include:-

- Controls setting time via dosage variation.
- Water reductions.
- Higher ultimate strengths.
- Improved water tightness.
- Improved durability.
- Reduced temperatures of concrete.
- Stabilizes mixes in tunnel lining.

### PROPERTIES

<b>Appearance:</b>	Brown liquid
<b>Specific Gravity:</b>	1.09 - 1.11
<b>Air Entrainment:</b>	1 - 2%
<b>Chloride Content:</b>	Nil

#### Chemical Composition :

Blend of modified lignosulphonates and hydroxycarboxylic acid.

#### Compatibility with Cements:

**Cormix P20** can be used with all types of Portland Cement. For use with special cements we recommend that you consult Cormix International.

#### Compatibility with Other Admixtures:

**Cormix P20** should not be premixed with other admixtures. The performance of the material may be affected by the presence of other chemicals and we would recommend that Cormix International Ltd. Be consulted in such circumstances.

### DOSAGE RATE

The performance of **Cormix P20** is best assessed after preliminary tests on site using the actual concrete under consideration to determine the optimum dosage and effect on properties such as compressive strength, setting times, shrinkage etc. when these are of consequence.

As a guide to these trials, an addition rate of 0.25-2% by weight of cement, is recommended. This rate of addition can be varied to give different results. For advice and assistance with your trials we would recommend that you consult Cormix International.

### EFFECTS OF OVER-DOSING

Over-dosing of **Cormix P20** will cause an extension of initial setting time. If this happens consult Cormix International.

If intentional or accidental increases above the recommended addition rate are employed, care must be taken to allow for the effect on the stripping of formwork. In such cases, however, provided the concrete is properly cured, the ultimate strength will generally be higher than for normal concrete.

### PACKAGING

**Cormix P20** is supplied in 25 & 200 litre drums. Alternatively bulk deliveries can be arranged.

### STORAGE & SHELF LIFE

**Cormix P20** should preferably be stored protected from frost. If the product does become frozen it should be carefully mixed after thawing out, to restore it to its normal state. In original unopened drums shelf-life is 12 months.

### HEALTH & SAFETY

**Cormix P20** is formulated from chemicals that present no fire or health hazards.

For further information consult Cormix International Ltd.

### TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

**Cormix® P20****WATER REDUCING PLASTICISING AND RETARDING CONCRETE ADMIXTURE****QUALITY ASSURANCE**

ISO 9001 : 2015 verified by TUV Nord.

ISO 14001 : 2015 verified by Lloyd's Register International.

**DISCLAIMER**

Performance data is achieved testing in accordance with International Standards. Testing by others may result in different results from those published as a result of external factors such as poor sampling, incorrect mixing, varying temperatures, curing, crushing procedures etc.

Cormix does not take responsibility nor need to defend others testing that does not achieve the published data. The user must test the products suitability for the intended application and purpose. Cormix reserves the right to change the properties of the product.

Site conditions and differences in materials are such that no warranty or fitness for a particular purpose, nor liability can be inferred from the published data sheet, written recommendations or from other advise offered.

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