

## High performance Superplasticiser, based on Special Polymer technology

### Uses

Auramix 200 is a high performance superplasticiser intended for applications where high water reduction and long workability retention are required,

### Advantages

- Low viscosity suitable for pumping of different grades of concrete to higher floors
- Can also be utilized for high strength and high performance concrete
- At high dosage it does not have high retardation effect
- Higher E modulus
- Improved adhesion to reinforcing and pre-stressing steel
- Better resistance to carbonation
- Reduced permeability
- Better resistance to aggressive atmospheric conditions
- Reduced shrinkage and creep
- Increased durability

### Standards compliance

Auramix 200 complies with IS:9103 , BS:5075 and ASTM-C-494 Type 'G' .

### Description

Auramix 200 is a unique combination of the latest generation superplasticisers , based on special polymers with long lateral chains. At the start of the mixing process this special polymers develop an electrostatic repulsion which greatly improves separation and dispersion of cement particles .This mechanism considerably reduces the water demand in flowable concrete.

Auramix 200 combines the properties of water reduction and workability retention. It allows the production of high performance concrete and/or concrete with high workability retention.

Auramix 200 is a strong superplasticiser allowing production of consistent concrete properties around the required dosage.

### Technical support

Fosroc provides a technical advisory service for on-site assistance and advice on mix design, admixture selection, evaluation trials and dispensing equipment.

### Properties

**Appearance** : Yellowish to Brownish liquid

**pH** : Minimum 6.0

**Specific Gravity @ 27<sup>0</sup>C** : 1.03 - 1.07

**Chloride content** : Nil (As per BS:5075 Part I)

**Alkali content** : Typically less than 1 g Na<sub>2</sub>O equivalent / litre of admixture.

### Dosage

The optimum dosage of Auramix 200 to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is between 0.5 to 2.5 kg/100 kg of cementitious material.

### Use at other dosages

Dosage outside the normal range quoted above can be used to meet particular mix requirements. Contact Fosroc for advice in these cases

### Effects of overdosing

Over dosage may cause delay in the setting time (but better than conventional SNF based admixture ) and segregation.

### Packaging

Auramix 200 is available in 200 litre drums and bulk tanker.

### Storage

Auramix 200 has a minimum shelf life of 12 months provided the temperature is kept within the range of 2<sup>0</sup>C to 50<sup>0</sup> C and stored in unopened containers. If temperature of the product fall outside this range then contact local Fosroc office for advice.

# Auramix 200

## Precautions

### Health and safety instructions

Auramix 200 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data sheet available for this product.

### Fire

Auramix 200 is water based and non- flammable.

### Cleaning and disposal

Spillages of Auramix 200 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

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### Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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