

High performance viscosity modifying agent to ensure consistency and stability in High Fluid Concrete

Uses

Auramix V200 is a Viscosity Modifying Admixture for contemporary concrete requirements:

- Self-consolidating concrete.
- Flow concrete.
- Sprayed concrete.
- Light weight aggregate concrete.
- SCC with low fines content.
- Concrete with improper gap grading or low binder content.
- Under water concreting - Designed to allow concrete to be placed under water.

Advantages

- Reduces sensitivity to variations in moisture content in aggregates.
- Eliminate segregation and bleeding in mixes.
- Reduces pump pressure by decreasing plastic viscosity of concrete while keeping homogeneity and thereby reducing friction.
- Exhibits better passing-ability and pump-ability while keeps high fluid mixes homogeneous.
- No effect on setting time by Auramix V200, set time will be dictated by the HRWR or other admixtures used in mix.
- No effect on air entrainments.
- No effect on fluidity of mixes either in initial stage of the mix or in retention period.
- No adverse effect on early or later age strength.
- Exhibit better surface finish.

Description

Auramix V200 is a chloride free, ready to use liquid admixture. It is a high performance concrete rheology modifying agent based on a unique polymer which is designed to be used with Fosroc's polycarboxylate based Structuro and Auramix admixtures for high fluid concrete.

Auramix V200 is designed to meet the contradictory requirements of contemporary concrete where high fluidity, retention

for longer periods of time in backdrop of varying concreting materials properties, lack of binder content and higher dosage requirements of HRWR may result in undesirable properties such as segregation, Auramix V200 keeps mixes fluid, uniformed and placing friendly in these demanding requirements

Properties

Appearance	:	Pale yellow thixotropic liquid
SG@20°C	:	1.01
pH value	:	7.8 - 8.0
Chloride content	:	Nil to BS 5075

Compatibility with cements.

Auramix V200 can be used with all types of Portland cements and cement replacement materials such as microsilica GGBS and fly ash. For advice on special cements, consult Fosroc's Technical Department

Compatibility with other admixtures

Auramix V200 is recommended to use in conjunction with Fosroc's Structuro and Auramix series of PCE based admixtures.

If it is found necessary to use a plasticiser or other type of admixture, Fosroc's Technical Department should be contacted for advice.

Dosage

Auramix V200 designed to perform effectively at lower dosages; the optimum dosage of Auramix V200 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 0.1 to 0.5 by cementitious materials.

Dosages outside the normal range quoted above can be used to meet specific requirements. Contact Fosroc Technical Department for advice in these cases.

Effects of overdosing

Over-dosage may result in loss of fluidity of mixes.

Technical Support

Fosroc offers a comprehensive technical support service to specifiers, end users and contractors. Fosroc also offers onsite technical assistance.

Auramix V200



Instruction for use/Dispensing

The correct quantity of Auramix V200 should be measured by means of a recommended dispenser.

For best results Auramix V200 is to be added once all the ingredients including water and other admixtures are added in mix.

Estimating

Auramix V200 is available in 20kg and 200 kg drums.

Storage

Auramix V200 has a shelf life of 6 months in original unopened containers. Product must be stored in shaded area out of direct sunlight in a temperature range between 5 to 45°C.

Precautions

Health and Safety

Auramix V200 is Non-Toxic, Non-hazardous, Nonflammable material however it should not be swallowed or allowed to come into contact with skin. Suitable protective gloves and goggles should worn.

Splashes on 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, do not induce vomiting.

No special precautions for transportation.

Cleaning and Disposal

Spillages of Auramix V200 must be soak up with inert absorbent and transferred to suitable containers. Remnants must be hosed down with large quantities of water.



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