

High performance PCE based admixture for wide range of pavement Quality concrete grades.

Uses

Auramix 350 PQC is a high performance super plasticizer suitable for low and high grade concrete and intended for applications where high water reduction and long workability retentions are required.

Auramix 350 PQC developed to use in:

- Best Suitable for PQC concrete
- To produce strong and lifetime pavement
- To produce all grades of concrete by substantial reduction in water resulting in low permeability and high flexural strength.
- To produce suitable workability for concrete during placing.

Advantages

- Improved workability - Easier, quicker placing and compaction.
- Increased strength - Provides high early strength for precast concrete with the advantage of higher water reduction ability.
- Improved quality - Denser, close textured concrete with reduced porosity and hence more durable.
- Higher cohesion-Risk of segregation & bleeding minimised; thus aids pumping of concrete.
- Chloride free - Safe in prestressed concrete and with sulphate resisting cements and marine aggregates.

Standard Compliance

Auramix 350 PQC complies to IS: 9103:1999 and ASTM C 494 / as a water reducing admixture.

Description

Auramix 350 PQC is a unique combination of new generation super plasticizer based on polycarboxylic ether polymer with long lateral chain. Electrostatic dispersion mechanism considerably reduces the water demand in flow able concrete. It is supplied as a light brown liquid, instantly dispersible in water.

Auramix 350 PQC disperses the cement particles effectively in the concrete mix and hence exposes a larger surface area to the hydration process. This effect is used either to increase the strength or to produce high workability concrete or reduce cement content of concrete or to retard the setting time of concrete.

Technical support

Fosroc provides technical advisory service for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

Properties

Appearance	:	Light Brown Liquid
pH*	:	Minimum 6.0
Volumetric mass @ 25° C	:	1.08 ± 0.02 kg / litre
Chloride content	:	Nil to IS:456
Workability Retention	:	depending on manufacture recommended dosage

* The uniformity parameters like specific gravity, pH, chloride content etc. will vary for specific customer requirements and mix design. Please refer our MTC issued for specific product configuration for measuring our product parameters that will be constantly and consistently administered

Dosage

The optimum dosage of Auramix 350 PQC to meet specific requirement should always be determined by conducting laboratory and batch trials. However the normal dosage ranges between 0.3 to 1.3 percent by weight of total cement or binder content.

Dosage beyond Limits:

Dosage beyond limits can be used to meet particular mix requirements in consultation with Fosroc technical department.

Effect of over dosage:

Over dosage may cause delay in setting and segregation

Estimating

Packaging:

Auramix 350 PQC is available in 200 & 250kg drums and bulk tankers.

Storage

Auramix 350 PQC has a minimum shelf life of 12 months provided the temperature is kept within range of 2° C and 50° C.

Auramix 350 PQC

Precautions

Health and safety instructions

Auramix 350 PQC does not fall into the hazard classifications of current regulations. However it should not be swallowed or allowed to come in contact with skin or eyes.

Suitable protective gloves and goggles should be worn.

Splash on skin should be cleaned 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.

Fire

Auramix 350 PQC is water based and non-flammable

Cleaning and disposal

Spillage of Auramix 350 PQC should be absorbed onto sand, earth or vermiculite and transferred to suitable container. Remnants should be hosed down with large quantity 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.

Additional information

The Fosroc range of associated products includes high strength cementitious, epoxy grout, polyester resin based mortar for rapid pre-setting of steel shims to level or for direct bedding of small base plates; Resin Anchoring systems for same day anchoring of bolts in drilled holes in concrete or rock. Also available a range of products for use in construction; viz., curing compounds, release agents, flooring systems, repair mortars, sealants and waterproofing materials.

Separate datasheets are available on these products