

High early strength admixture for concrete precast, pavers & block industries.

Uses

Auracast DIS is a high performance precast super plasticiser intended for applications where reduction in cycle time and early strength are required, and it has been developed for use in.

- Concrete requiring early strength.
- High performance concrete.
- Block and paver industries.
- Precast elements for building segments.

Advantages

- Improved adhesion to reinforcing and prestressing steel.
- Better resistance to carbonation.
- Lower permeability, there by increase in durability.
- Improve surface appearance.
- Better resistance to aggressive atmospheric conditions
- Reduced shrinkage and creep Increased durability.

Standard Compliance

It is also meeting requirements of IS : 2645 as an integral waterproofing admixture

Description

Auracast DIS is a unique combination of the latest generation super plasticisers , based on a polycarboxylic ether polymer with long lateral chains. This greatly improves cement dispersion. At the start of the mixing process an electrostatic dispersion occurs but the cement particle's capacity to separate and disperse. This mechanism considerably reduces the water demand in flowable concrete.

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

Auracast DIS is a strong super plasticiser allowing production of consistent concrete properties at 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	: Light yellow coloured liquid
pH	: Minimum 6.0*
Volumetric mass @ 25° C	: 1.05 ± 0.02 kg/litre *
Chloride Ion content	: As per BS EN : 480-10-1997* (Product contains a chemical which interferes in the procedure as per IS 9103)

* 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 Auracast DIS 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 0.3 to 2.0 ltrs/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

Overdosage may cause delay in the setting time and segregation.

Estimating

Packaging

Auracast DIS is available in 200 kg drums.

Storage

Auracast DIS has a minimum shelf life of 12 months provided the temperature is kept within range of 5°C and 50°C.

Auracast DIS



Precautions

Health and safety instructions

Auracast DIS 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

Auracast DIS is water based and non- flammable.

Cleaning and disposal

Spillages of Auracast DIS 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.

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.



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