

Auracast 400SD is a specially formulated compaction aid / strength improver, designed for use in semi-dry or earth dry concrete with low moisture content.

Uses

- To Improve the quality and consistency of semi/earth dry concrete products produced by the modern paving and masonry machines.
- To aid compaction and increase strength of the finished product without increasing the cement content
- To provide smoother, faster machine operation

Advantages

- Increased Strengths
- Strengths can be maintained at lower cement contents.
- Improves green strength resulting in fewer losses to breakage
- Improves mix rheology under vibration, allowing smoother machine operation with reduced cycle times.
- Improves uniformity of filling moulds, reducing standard deviation and giving better dimensional control of product
- Improved surface finish and texture
- Chloride free. Ideal for concrete containing embedded steel.

Technical support

Fosroc provides a technical advisory service for on site evaluation and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and products for use with fresh and hardened concrete.

Typical dosage

For each application the optimum dosage of Fosroc Auracast 400SD is best established by trial mixes with the same site materials in use under conditions that will be experienced on site.

The typical dosage range is 0.1 – 0.6 litres / 100 kg of cementitious content.

For further advice please contact the Fosroc Technical Department.

Characteristics

Nature	Liquid
Colour	Straw
Specific gravity	1.009 – 1.029
pH	3 +/- 1
Chloride content	<0.1%
Na ₂ O equivalent	<0.5%
Freezing point	Sensitive to freezing

Application

Fosroc Auracast 400SD is supplied ready for addition to concrete at the batching plant.

Dispensing

The correct quantity should be measured by means of a suitable dispenser at the time of batching the concrete. It's best added with the latter part of the mixing water.

Effects of overdosing

Overdosing above the recommended dosage range may promote segregation, excessive bleeding and increased air entrainment of the concrete mix. In the event of a suspected overdose please consult the Fosroc Technical Department.

Compatibility

With cements

Auracast 400SD is suitable for use with all types of Portland cement and cement replacement materials e.g. GGBS, PFA and micro silica.

With other admixtures

Auracast 400SD is compatible with other admixtures in the Fosroc range. Admixtures should never be premixed prior to their addition to the concrete mix.

Contact the Fosroc Technical Department for further advice on the effects of various admixtures.

Packaging

Auracast 400SD is available in bulk supply or 20 litre drums.

Storage

Auracast 400SD has a minimum shelf life of 12 months provided the temperature is within 2°C to 50°C. Should the product become frozen, the properties of Auracast 400SD can be homogenised by thorough agitation of the completely thawed product.

Fosroc® Auracast 400SD

Precaution

Health and safety

For further information consult the product safety data sheet for this product.

Fire

Auracast 400SD is water based and non – flammable.

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Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of 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 of information given by it.

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Certificate number FM 610