



Fosroc® Auramix 740SR

constructive solutions

Revolutionary Slump retaining, high range water reducing/ superplasticizing admixture

Description

Fosroc Auramix 740SR is a unique combination of poly-carboxylate polymers which display a superior dispersion performance.

Fosroc Auramix 740SR has been specially formulated to delay absorption on to the cement particles and give retention of workability for up to 4 hours.

Fosroc Auramix 740SR has been specifically engineered towards the Ready Mix concrete industry for its superior high range water reducing and slump retaining capabilities. Fosroc Auramix 740SR can achieve excellent retention without any set delay or any reduction in strength at 24 hours.

Fosroc Auramix 740SR also shows excellent versatility over different slump ranges and different cement combinations.

Uses

- Suitable for high rise/pumped concrete or long distance deliveries.
- Ideal for producing Self Compacting Concrete (SCC) and high workability concrete.
- Ability to produce consistent concrete with slump retention of up to 4 hours.
- High Strength / Low W/C ratio concrete

Advantages


- Excellent retention performance for High replacement contents of GGBS and PFA
- Used in the production of Self Compacting Concrete (SCC) and high workability concrete which displays improved rheology.
- Exhibits concrete of an extremely low viscous nature.
- Confidence that concrete will be the same on site as batched at the ready mix plant.
- Excellent strength development with no set retardation.
- Robust consistent performance across different cement sources and cementitious combinations.
- Chloride free. Ideal for concrete containing embedded steel.
- Works over a wide range of slump classes (S3 to SF3).

Properties

Appearance	Amber liquid
pH	5 +/- 1
Specific gravity	1.072 @ 20°C
Chloride ion content	≤0.1% by mass
Alkali content	≤0.6% by mass

Standards Compliance

Fosroc Auramix 740SR complies with EN934-2 Tables 3.1 and 3.2 as a high range water reducing /superplasticising admixture.

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Fosroc Limited Drayton Manor Business Park, Coleshill Road, Tamworth, UK. B78 3XN 14 DoP UK9-58 0086-CPR-473151	
Auramix 740SR	
High Range water reducing/Superplasticizing Admixture EN 934-2:T3.1/3.2	
Water Reduction	≥ 12% compared with Reference mix
Increase of consistence	Increase ≥ 120mm from initial slump or Increase ≥ 160mm from initial flow
Retention of Consistence	At 30 mins ≥ Reference mix at initial
Compressive Strength	Fulfilled
Air Content:	Fulfilled
Corrosion Behaviour	Contains components only from EN934-1: Annex A.1
Dangerous Substances	NPD
Durability	NPD

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 Auramix 740SR 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 0.4 to 2.0 litres / 100 kg of cementitious content.

For further advice please contact the Fosroc Technical Department.

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Application

Fosroc Auramix 740SR 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 and excessive bleeding of the concrete mix. In the event of a suspected overdose please consult the Fosroc Technical Department.

Compatibility

With cements

Fosroc Auramix 740SR is suitable for use with all types of Portland cement and cement replacement materials e.g. GGBS, PFA and micro silica.

With other admixtures

Fosroc Auramix 740SR 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

Fosroc Auramix 740SR is available in bulk supply or 20 litre drums.

Storage

Fosroc Auramix 740SR 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 Fosroc Auramix 740SR can be homogenised by thorough agitation of the completely thawed product.

Precaution

Health and safety

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

Fire

Fosroc Auramix 740SR 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.

Fosroc Limited

Drayton Manor Business Park
Coleshill Road, Tamworth,
Staffordshire B78 3XN. UK

www.fosroc.com

telephone:
+44 0 (1827) 262222

fax:
+44 0 (1827) 262444

email:
enquiryuk@fosroc.com

