



Conbextra SS

Multi-purpose cementitious construction grout

Uses

Conbextra SS is a multi-purpose construction grout. It is suitable for bedding precast units, filling voids and other general grouting applications. It can be used at trowelable and flowable consistencies.

Advantages

- Contains non shrink additives to ensure that voids are completely filled
- No metallic iron content to cause staining
- Chloride free
- Pre-packaged to overcome on-site proportioning variations

Description

Conbextra SS, multi-purpose cementitious construction grout is supplied as ready to use dry powder. The addition of a controlled amount of clean water produces a flowing grout. Additives impart controlled expansion characteristics and reduce the water necessary to give a flowable grout. The grout can be used in sections up to 100 mm thick.

Technical Support

Fosroc offers comprehensive technical support, including help at the design stage, application advice and on-site problem solving. Specifiers and contractors are encouraged to contact our trained staff for answers to their questions.

For further information, please contact Fosroc office.

Typical Properties

The following results were obtained at a water : powder ratio of 0.18 and temperature 20°C

Test method	Typical result
Compressive strength (N/mm²)	15 N/mm ² @ 1 day
BS 1881 : Part 116, 83	30 N/mm ² @ 7 days
	45 N/mm ² @28 days
Time for expansion	
Start	: 15 minutes
Finish	: 2 hours
Fresh wet density : Approximately 2170 kg/m ³ depending on actual consistency used	
Expansion characteristics : An expansion of up to 2% overcomes plastic settlement in the unset material	

Specification clauses

Where shown on the drawings grouting shall be carried out using Conbextra SS manufactured by Fosroc and used in accordance with manufacturer's current data sheet.

Application instructions

Surface Preparation

The substrate must be free from oil, grease or any loose material. Bolt holes and fixing pockets should also be cleaned. To assist in the formation of bond between substrate and grout, pre-soaking of the substrate surface with water is advisable.

Formwork

All formwork used for grouting should be leakproof. This can be achieved by sealing gap with a foam rubber strip or mastic sealant.

Mixing

For best results a mechanically powered grout mixer must be used. For quantities up to 50kg a slow speed (400 - 500 rpm) drill with a Fosroc MR3 mixing paddle is acceptable. For large quantities ensure that the machine capacity, the number of operatives is adequate to enable grouting to be carried out as a continuous operation.

The selected water content should be accurately measured into the mixer. The total contents of the Conbextra SS bag should be slowly added and continuous mixing should take place for 5 minutes. This will ensure that the grout has a smooth, even consistency.

Place the grout within 20 minutes to gain the full benefit of the expansion process. Do not add extra water.

Important: The need to observe the accurate gauging of water addition and the stated mixing time should be stressed to all operatives.

Water Addition

The quantity of clean water required to be added to a 25kg bag to achieve the desired consistency is given below.

Trowelable	3.6 - 3.8
Flowable	4.5 litres

Sampling Procedure

Fosroc standard test methods must be employed when performance testing this product. For full information please contact your local Fosroc office.

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Placing

For free flowing grout it is essential to maintain a good hydrostatic head. Pouring should be a continuous process to ensure that the flow of the grout is not allowed to stop. The time taken to pour each complete mix must, therefore, be regulated to the time taken to prepare the next one.

Pouring should be from one side only, e.g. via the formed hydrostatic head will avoid the creation of voids by entrapment of air or surplus water.

Conbextra SS may be placed in thickness up to 100 mm maximum in a single pour. For thicker section grouting, please contact Fosroc for details.

Curing

On completion of the grouting operation all exposed areas which are not to be cut back should be thoroughly cured. This should be done after the initial hardening of the grout by continuous application of water and/or wet hessian, or by application of a suitable curing membrane such as Concure WB.

Estimating

Supply

Conbextra SS : 25 kg moisture resistant bag

Yield

Yield of 25 kg pack at pourable consistency : 13.25 litres

Note: In accordance with Commercial or Health & Safety requirements packaging detail may alter. Please contact your local Fosroc office for detail.

Limitations

Conbextra SS is not suitable for precision grouting of machinery baseplates, bridge bearings, anchoring of starter bars and similar such applications. For these applications Conbextra GP or Conbextra HF should be used. Consult Fosroc for further advice.

Storage

Conbextra SS has a shelf life of 12 months if kept in a dry store in unopened bags.

Precautions

Health and safety

Conbextra SS is alkaline and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing.

Gloves, goggles and dust mask should be worn.

If contact with skin occurs, wash with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire

Conbextra SS is non-flammable.

Conbextra is the trademark of Fosroc International Limited



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 Service, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification or 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 or information given by it.

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