

THE FENDER BCS GROUP OF COMPANIES

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SUPA-FLOW HF

DESCRIPTION

SUPA-FLOW HF is a blend of low alkali high specific surface portland cements and other cementitious binders combined with high purity aggregates and a system of compatible admixtures.

SUPA-FLOW HF is a high fluidity grout that will neither bleed or shrink.

USES

SUPA-FLOW HF has been specifically designed for anchor or baseplate grouting, under machinery and stanchion plates, grouting rails and bridge bearings, fixing bolts parapet rails etc.

KEY PROPERTIES

- Cement content > 950kg/m³
- Equivalent sodium oxide less than 3.0Kg/m³.
- Contains no chlorides.
- Shrinkage compensated in both the plastic and hardened states.
- Can be used for grouting sections up to 100mm thick.
- Complies with Highway Spec 2601 for cementitious bedding mortars.

YIELD

The approximate yield of mixed grout per tonne of dry powder is 0.64m³. The approximate quantity of dry powder required to produce 1m³ of set grout is 1.55 tonnes.

12.8 Litres / 20kg

These figures do not allow for site wastage/error.

TYPICAL PERFORMANCE

Compressive Strength (N/mm ²)	
1 day	15.0
7 day	40.0
28 day	65.0 (Typical)
90 day	70
Flexural Strengths (N/mm ²)	
1 day	3.0
7 day	6.0
28 day	8.0
Expansion Results (%)	
1 day	0.003
3 day	0.003
Setting Times:	
Approximately 4 hours Initial	
Approximately 6 hours Final	
Water	0.22
Pot Life	Approximately 45 mins
(Can vary with temperature)	
(Results derived from specimens produced at 0.22 water/solids ratio at 20°C)	
Flow Characteristics:	
A typical flow-channel figure for SUPA-FLOW HF would be in the range of 500mm.	
(The quoted set and flow characteristics are dependant on temperature and type and duration of mixing. Temperatures higher or lower than 20°C, for example, will result in reduced or extended setting times).	

Our expertise is fitting all the pieces together

Fender Steel

Head Office
20 Midland Road
Scunthorpe
North Lincolnshire
DN16 1DQ
Tel: 01724 840609
Fax: 01724 281902

BCS Products

Caenby Corner
Industrial Estate
Hemswell Cliff
Nr. Gainsborough
Lincolnshire DN21 5TU
Tel: 01427 668187
Fax: 01427 668012

Fender Steel

Unit 16A
Enterprise Park,
Bergon Way
Sutton Fields Ind. Est.,
Hull HU7 0YG
Tel: 01482 820620
Fax: 01482 820621

Fender Steel

Unit A5
Astra Park
Parkside Lane
Leeds LS11 5SZ
Tel: 0113 270 4555
Fax: 0113 270 4666

Fender Steel

5 Crofton Court
Portrack Lane
Stockton-on-Tees
Cleveland TS18 2QR
Tel: 01642 603123
Fax: 01642 674892

Fender Steel

5a Freezemoor Road
Houghton le Spring
Sunderland
Tyne & Wear DH4 7BH
Tel: 0191 512 6749
Fax: 0191 584 6547

MIXING INSTRUCTIONS

SUPA-FLOW HF should be mixed using water which complies with BS EN 1008 (as for concrete).

SUPA-FLOW HF should be mixed in a suitable container using either an electric (1Kw) or pneumatic power tool. Larger amounts can be mixed in a FORCED ACTION paddle mixer.

20kg of the grout powder should be added to 4.4 litres of water, progressively mixing until a fluid grout consistency is achieved.

Small quantities can be mixed by hand, care being taken to accurately measure the water.

Once mixed, the material must not be re-worked.

PLACING

Ensure all surfaces with which the grout will come into contact are clean and dust free. Ideally, concrete substrates should be thoroughly soaked for several hours prior to the grout being applied to reduce suction.

Permeable concrete should be treated with a suitable concrete primer such as Cemrok/Concrete Primer A.

Shutters must be impermeable to the passage of water and both strong enough and sufficiently supported to contain the placed grout. Sufficient hydrostatic head must be given and maintained to the material to enable it to flow completely through the void to be filled.

Immediately prior to placement all excess water should be removed.

Any grout exposed to wind, drying conditions or low temperatures should be suitably protected, preferably by coating with Cemrok/Curing Agent.

PACKAGING AND STORAGE

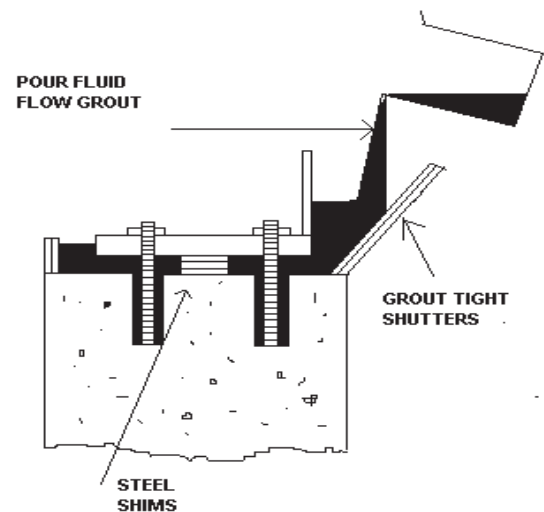
SUPA-FLOW HF is available in nominally 25kg paper sacks and can be palletised on timber pallets and can also be shrink wrapped.

SUPA-FLOW HF may also be available in IBC sacks or in bulk powder tankers.

SUPA-FLOW HF should be stored in cool dry areas clear of the ground sheeted or pallets high. The product should be used on a first in – first out basis.

Shelf life is minimum 3 months but could be in excess of 6 months subject to temperature and humidity.

FIGURE 1. GROUT SHUTTER DETAIL



QUALITY CONTROL

All Cemrok products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9000 Series.

HEALTH AND SAFETY

For health and safety data, see sheet reference 40/A.

Warning: The advice shown on this sheet is given as a guide to good practice but FENDERBCS can accept no responsibility for any loss, damage or injury howsoever caused in following it.