

# Febspeed

## Accelerator and Hardener

For Mortar, Concrete, Renders and Screeds.

- Reduces setting time
- Improves frost resistance

Colour	Product Code	Pack Size	Box Qty
Clear	FBSPEED5	5L	4
	FBSPEED25	25L	1



## Admixtures & Building Chemicals

### Product Description

FEBSPEED is a liquid admixture that accelerates the setting time of mortar, non-reinforced concrete, renders, screeds and paving's. FEBSPEED has been tested to the requirements of EN 934 Part 3.

### Typical Uses

- For use in the acceleration of screeds and paving where a reduction in set time is required; also suitable for use as an accelerator in non reinforced concrete, as a super rapid hardener for plugging of leaks in concrete.
- FEBSPEED can also be used as an aid to cold weather working.

### Features & Benefits

- Multi-faceted product.
- Reduces setting time.
- Increased early strength.
- Minimises waiting times on finishing operations.
- Reduces strike times in production.
- Increases productivity.
- Optimises mould usage.
- Economical in use.

### Instructions for Use

#### As an Accelerator:

Pre-mix FEBSPEED with gauging water; check amount of water to be used in the mix, sand grading and condition. Table A gives indicative dosage rates relative to cement and water addition rates:

#### As a Floor Hardener:

Incorporate FEBSPEED with gauging water at a rate equivalent to 2.5 to 5 litres of FEBSPEED per 50 Kgs of cement used. The concrete should not be gauged weaker than 1:2:4. If granolithic topping should be appropriate then a specification of 2 parts 3-6 mm clean grano (no dust) to 1/2 part concreting sand to 1 part cement. For selection of relevant mix designs and installation techniques refer to BS 8000 Part 9 and BS 8204 Part 2.

NB: Many of the benefits to be gained from the use of FEBSPEED as a hardener can be negated by bad practice and placement techniques. Refer to relevant BS document for guidance on placement, curing etc.

#### As a Super Rapid Hardener:

FEBSPEED may be mixed neat with **fresh** ordinary Portland Cement in small quantities for use immediately as a plugging compound.

Table A

	MIXING PROPORTION TO CEMENT USED	MIXING PROPORTION TO GAUGING WATER	AMOUNT OF FEBSPEED PER CUBIC METRE OF CONCRETE/MORTAR
Concrete	5 Litres FEBSPEED per 100Kg of cement	5 litres FEBSPEED to 40 litres mixing water*	11.25 litres
Cement Mortar		2.5 litres FEBSPEED to 35 litres water	10 litres

\*Note: Based on commonly used mixes having a fairly high slump with approximately 100 litres of mixing water used per cubic metre of concrete (the 100 litres includes the added FEBSPEED).

### Performance Data

Active Base	Calcium Chloride Solution 20-30% active
Chloride ion content:	0.8% w/w cement at addition rate of 2.5ltr per 50kg cement
Specific gravity @ 20°C	1.2
Dosage (as frost proofer)	Ambient temperatures down to -4°C: 2.5 litres per 50kg cement Ambient temperatures down to -8°C: 5 litres per 50kg cement

USE	MIX DESIGN	ADDITION RATE/50KG CEMENT	SETTING TIME (APPROX)
Plugging aid	Neat fresh OPC	-	2-3 mins
Concrete	1:2:4	2.5ltrs 5ltrs	7 hours 2.5 hours
Floor screeds	1:3	2.5ltrs 5ltrs	6 hours 2 hours

### Storage

Protect from temperature extremes. Will freeze but can be reconstituted by stirring after thawing.

### Shelf Life

Minimum two years when stored in accordance with the manufacturer's instructions.

Febspeed