

FEBSPEED

Accelerator and Hardener

Description of Product

FEBSPEED is a liquid admixture that accelerates the setting time of mortar, non-reinforced concrete, renders, screeds and paving's.

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 and 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. The table below gives indicative dosage rates relative to cement and water addition rates:

Mixing proportion to cement used	Concrete/Cement/Mortar:	5 Litre FEBSPEED per 100 Kg of cement
Mixing proportion to gauging water	*Concrete	5 litres FEBSPEED to 40 litres mixing water
	Cement Mortar:	2.5 litres FEBSPEED to 35 litres water
Amount of FEBSPEED per cubic metre of concrete/mortar	Concrete:	11.25 litres
	Cement Mortar:	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).

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 ½ 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.

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.

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

S.G

1.2

Dosage (as frost proofers)

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