

POWER-FROST

Concentrated Frostproofers And Hardener

Technical Data Sheet



BUILDERS COMPLETE RANGE

CLASS
EN934-2 T6

5
TIMES
CONCENTRATE

Description:

A premium quality, concentrate additive that increases frost resistance and accelerates the setting time of cements by improving the rate of hydration. 5 x stronger than standard formulation. Conforms to EN934-2:2009.

Benefits:

- ◆ Developed for brick laying and rendering subjected to low and sub-zero temperatures.
- ◆ Increases rate of curing of mortar to reduce the possibility of cracking caused by frost.
- ◆ Chloride-free formulation.
- ◆ Non-corrosive.
- ◆ Will not degrade steel wall ties, reinforcements and other steel items.
- ◆ Works by exothermic reaction.

Uses

To facilitate all year round construction where low, ambient temperature may normally cause a lull in the rate of production. Bond It **POWER-FROST** increases the rate of hydration, accelerating the rate of cure as well as allowing a reduction in the total volume of gauging water required, therefore, improving the frost resistance of the mortar/concrete.

Due to the final mortar/concrete being more dense the final result is an improved oil and water resistant product. When mixed neat with Portland cement it can be used to plug holes caused by pressure leaks.

Added to the mix **POWER-FROST** will improve workability and increase strength gain and resistance to water penetration. It allows up to 15% reduction in gauging water, and can also reduce curing times and shrinkage.

Application

SHAKE WELL BEFORE USE. Add **POWER-FROST** to gauging water at a rate of 500ml (half a bottle) per 25Kg of cement.

After laying of the mortar/concrete take usual precautions for protection against climatic conditions. For plugging pressure leaks mix neat with ordinary Portland cement to a putty like consistency before pressing into the hole immediately as this will begin to cure within 2 to 5 minutes of mixing under normal conditions.

Limitations

For use below +4°C hot water is recommended. Do not use if temperature is +2°C and falling.

Coverage

500ml **POWER-FROST** for every 25Kgs of cement.

Container Size

1L plastic bottle.

Shelf Life

2 years from date of manufacture when stored in sealed bottles.

Storage Conditions

Store in cool, dry conditions in sealed bottles. Protect from frost.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate material safety data sheet for full handling, use and storage instructions. Keep out of reach of children. It is the users responsibility to determine suitability for use. If in doubt contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control. It is recommended that users make their own tests to determine suitability.



Specification Summary

Appearance	Pale blue liquid
Flammability	Non-flammable
pH	7-9
Solubility in water	Soluble

Product / Order Details:

Code	Colour	Size	Barcode
POWF1	Pale Blue	1L	5060021368867

CE

1029
13

UK
CA

0120
22

BOND IT

G16 River Bank Way, Elland. HX5 9DN. UK

EN934-2:2009

Set accelerating admixture for concrete
EN934-2:T6

Maximum chloride ion content <0.1% by mass

Maximum alkali content <1% by mass

Corrosion behaviour Contains the following components from EN934-1:2008 Annex A.2 - Nitrates



Part of the Bond It Builders Complete Range



The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



Certificate Number:
6152
ISO 9001; ISO 14001;
ISO 45001



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