



FROST-PROOFER & RAPID HARDENER

Curing Accelerator for Mortars and Renders At Low Temperatures

Technical Data Sheet



BUILDERS COMPLETE RANGE

**CLASS
EN934-2 T6**

Description:

A premium quality additive that increases frost resistance and accelerates the setting time of cements by improving the rate of hydration. Conforms to EN934-2:2009 +A1:2012, Class T6.

Features & 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 attack and 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 FROSTPROOFER & RAPID HARDENER 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.

Limitations

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

Application

SHAKE WELL BEFORE USE. Add to the gauging water in the ratio of 1.5 to 2.25 litres Bond It FROSTPROOFER & RAPID HARDENER to each 25Kgs of cement and reduce the total amount of gauging water accordingly (maximum 15%). Use the appropriate sand/cement ratio for dense, high quality mortar. Ensure the mortar is firmly compacted and do not over mix After laying of the mortar/concrete take usual precautions for protection against climatic conditions.

Size

5L and 25L plastic bottles. 200L also available on request.

Coverage

1.5 to 2.25 litres of FROSTPROOFER & RAPID HARDENER for every 25Kgs of cement.

Colour

Pale blue liquid.

Shelf Life

24 months from date of manufacture when stored in unopened bottles.

Storage Conditions

Store in cool, dry conditions in a sealed container between +5 and +30°C and protect from frost, high temperatures and direct sunlight.

Disposal Of Containers

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

Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's 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.



Specification Summary

Appearance	Pale blue liquid
Flammability	Non-flammable
Boiling Point	+100°C
Solubility in water	Soluble
Composition	Potassium sodium salt and amine mixture
Application Temperature	+2°C to +30°C
pH	7-9
Commodity Code	3824400000

Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDH030	Pale Blue	5L	5060021361189	8610-YOC5-300K-NYH8
BDH031	Pale Blue	25L	5060021362391	8610-YOC5-300K-NYH8
BDH032	Pale Blue	200L	5060021364203	8610-YOC5-300K-NYH8

**UK
CA**

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BOND IT

H4 Premier Way, Elland. HX5 9HF. UK

EN934-2:2009 + A1 (2012)

Set accelerating admixture for concrete
EN934-2:T6.

DoP: BDH030-2
NB: 0120

DoP: BDH030-2
NB: 1029

Maximum chloride ion content <0.1% by mass

Maximum alkali content <1% by mass

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



Part of the Bond It Builders Complete Range

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Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does 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.



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Supercedes: V7 13/10/22



Certificate Number 6152
ISO 9001
ISO 14001
ISO 45001

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