



Never compromise on quality!

August 2003

BUILDERS BASICS RANGE

# FROSTPROOFER & RAPID HARDENER

## Description

*A premium grade chloride free frost proofer and rapid hardener designed to allow the use of mortars/concretes in freezing conditions as well as accelerating the rate of cure.*

Bond It **INTEGRAL WATERPROOFER** controls the rate of curing of the mortar to reduce the possibility of cracking. This formulation has been manufactured to offer a non corrosive chloride free product.

## Uses

To facilitate all year round construction where 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. When mixed neat with Portland cement it can be used to plug holes caused by pressure leaks. All mixes containing Bond It **FROSTPROOFER & RAPID HARDENER** will also benefit from improved workability therefore a separate mortar plasticiser is not required.

## Application

Add to the gauging water in the ratio of 2.5 to 5.0 litres Bond It **FROSTPROOFER & RAPID HARDENER** to each 50Kgs of cement and reduce the total amount of gauging water accordingly. 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.

## Storage Conditions

Store in cool, dry conditions. Protect from frost.

## Shelf Life

24 months when stored according to manufacturers instructions.

## Coverage

2.5 to 5.0 litres for every 50Kgs of cement.

## Disposal of Containers

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

## Health & Safety

- ◆ Avoid eye contact. Irritating to eyes and skin. Wear eye and face protection. In the event of contact irrigate eyes immediately with plenty of cold, clean water for 15 minutes and seek medical attention.
- ◆ Avoid prolonged contact with skin. Wear wellington boots, protective clothing and gloves.
- ◆ Do not ingest. In the event of ingestion, do not induce vomiting, drink plenty of water and seek medical attention.
- ◆ Thoroughly wash hands with soap and water after use.
- ◆ Keep out of reach of children.
- ◆ Some people are more sensitive to chemical products than others. If irritation occurs discontinue use.
- ◆ See separate material safety data sheet for full handling, use and storage.

## Specification Summary

Appearance	Pale Green Liquid
Flammability	Non Flammable
pH	4
Solubility in water	Soluble

## Container Sizes

<b>Code:</b>	BDH030	BDH031	BDH035
<b>Size:</b>	5L	25L	200L

*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 express or implied, of the fitness or suitability of the products for a particular purpose.*

