



Never compromise on quality!

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CHLORIDE
FREE

POWERFROST FROSTPROOFER & HARDENER

Description

A premium quality, chloride free, 5 x stronger concentrate additive that increases frost resistance and accelerates the setting time of cements by improving the rate of hydration.

Specially developed for brick laying and rendering, etc at low and sub-zero temperatures. **POWER FROST** is a chloride free formulation that will not degrade steel wall ties, reinforcements and other steel items.

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. Using the bottle dosing cylinder, add 250 - 500ml per 25kg of cement. Reduce the amount of gauging water as appropriate (maximum reduction 15%). 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. Note: if the temperature is +2°C and falling this product should not be used.

Storage Conditions

Store in cool, dry conditions. Protect from frost.

Shelf Life

Up to 24 months when stored according to manufacturers instructions.

Coverage

250ml to 500ml for every 25Kgs 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

- ◆ Flammability - non-flammable.
- ◆ 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 Blue Liquid
Flammability	Non Flammable
pH	5-7
Solubility in water	Solubl
Density	1.47 - 1.49g/ml

Container Sizes

Code:	POWF1
Size:	1L
Barcode:	5060021368867

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.