

# MAGMA FIRESTOP IMA-120C

## PRODUCT DATA SHEET

**Magma Firestop® IMA120C** is a waterborne, concentrated fire retardant liquid for use in textile applications, where a non durable finish is required. Application can be by padding, spraying and dipping and is formulated for the impregnation of natural fibres, paper, cotton, linen etc. It is also suitable for fibre blends where the fabrics contain more than 30% natural fibres.

### Chemical and Physical Characteristics

<b>Composition:</b>	A water based concentrated flame retardant liquid based on phosphorous/nitrogen
<b>Appearance:</b>	Clear solution
<b>Odour:</b>	Odourless
<b>Density (20°C):</b>	1.19
<b>pH:</b>	7.0
<b>Solubility:</b>	Fully miscible with water
<b>Stability in application :</b>	Stable over the pH range 5.0 to 8.0 and at elevated temperature

### Advantages

**Magma Firestop® IMA120C** provides excellent fire retardant properties to natural fibre based fabrics and those fibres blends containing more than 30% natural fibres. Examples are: curtains, carpets, furnishings and decorative materials. It has a broad range of uses, particularly as a finish to barrier fabrics, where relevant flame retardant standards are specified to meet a particular requirement. It is also suitable for industrial applications, where treating the fabric is by traditional textile finishing lines, either by padding, dipping or spraying. Various materials treated with this product comply with standards such as ISO 6940/41 (Int.), UNEI 23727:1990 (Esp.), IMO Res.A471 (Maritime), M1 (Fr.). **Magma Firestop® IMA120C** may be combined with synthetic resins or binders – check compatibility before use. It can also be used in combination with a fluorocarbon emulsion which will give this fire retardant treatment a semi-durable property.

### Application / Use Levels

**Magma Firestop® IMA120C** should be diluted prior to use. A typical solution concentration of 300g/ltr for the treatment of natural fibres by padding would be appropriate. For multiple fibre blends, where a combination of natural and synthetic fibres are present, an

increase in the concentration may be required, e.g. 300 -400g/ltr. Usage of the solution will be dependent on the absorbency of the fabrics to be treated and fibre blend. Where possible the use of a suitable wetting agent should be considered. For textile padding applications a wet pick up of 80% is recommended. Following padding, the treated fabrics should be dried between 100 - 120°C. For fabrics treated by spray application, drying at ambient temperature should be adequate.

### **Important notes**

**Magma Firestop® IMA120C** is compatible with a variety of textile auxiliaries, but care must be taken when using certain softeners as this may adversely affect the flame retardant properties of the treated fabric. Wherever possible, compatibility checks should be performed prior to the final application.

Please contact us for technical advice.

### **Packaging / Storage / Transport / Regulatory Approvals**

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<b>Packaging:</b>	10 and 25 kg containers and 1000 kg Intermediate bulk containers (IBC)
<b>Shelf Life:</b>	12 months from production date when stored at approximately 20°C
<b>Availability:</b>	Ex stock in the above packaging
<b>Storage:</b>	Store in the original containers and protect from extremes of temperature, especially heat and direct sunlight.
<b>Transportation:</b>	<b>Magma Firestop® IMA120C</b> is classified as non-hazardous for transport

### **Safety / Labelling / Toxicology**

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For detailed information on the safety and handling of **Magma Firestop® IMA120C**, please refer to the separate Material Safety Data Sheet.

**This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.**

