

PRODUCT DATA SHEET
MAGMA FIRESTOP® IMA-120

Magma Firestop® IMA-120 is a water based, fire retardant solution for the treatment of most types of fabric but also suitable to treat insulation materials, furniture, paper and many decorative materials. It is intended for in-situ treatment of curtains, carpets and soft upholstery materials. Natural fabrics and mixtures of natural and synthetic fibres can usually be satisfactorily treated. Magma Firestop IMA-120 does also work well on paper and cardboard. Natural fabrics are generally acceptable for treatment. These include cotton, linen, wool, velvet and carpet.

Magma Firestop® IMA-120 treated fabrics are resistant to dry cleaning. After washing however retreatment is necessary. Carpets should be cleaned and retreated after 9-12 months. Other materials need retreating every 2-3 years to maintain effectiveness.

Chemical and Physical Characteristics

Composition:	Phosphate-nitrogen
Appearance:	Clear solution
Odour:	Odourless
Density (20°C):	1.07
pH:	7.0
Solubility:	Fully miscible with water
Stability in application :	Stable over the pH range 5.0 to 8.0 and at elevated temperature

Advantages

Magma Firestop® IMA-120 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 fabrics, where relevant fire retardant standards are specified to meet a particular requirement. Various materials treated with this product comply with standards such as ISO 6940/41, UNEI 23727:1990, IMO Res.A471, M1.

On certain type of textiles, this product could be used in combination with a binder, as a back-coating finish. Product can be used safely indoors.

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Application temp.: min. 5°C / max. 40°C. RH max. 80%

Preparation: Material needs to be clean(ed), dry and free from dirt, dust or oil before Magma Firestop® IMA-120 will be applied.

Spray: Textile:
Apply by mist spraying/coating a fabric as part of the manufacturing process or as an aftermarket (DIY) application.
Due to the wide variant of fabric treatments at the point of manufacture ALL fabrics should be laundered prior to application of the product. The fabric being treated should be made evenly damp on both sides (do not drench saturate or stiffening and surface marking may occur) and allowed to dry completely.

Cardboard: Corrugated “un-sealed” cardboard is best treated with a fine atomized spray on both sides. Do not soak material in any one spot, as this may tend to warp the cardboard and cause it to lose shape. The product will not work if the cardboard is sealed, coated or moisture proofed.

Paper and decorative materials:
Un-sealed paper should be mist sprayed. The water-soluble properties of Magma Firestop® IMA-120 may limit applications. Addition of a sealant is required to protect the chemical from leaching if exposed to direct contact with water.

Soft furnishings – floor coverings

Always clean all such fabrics / floor coverings thoroughly prior to application. Do not apply to fabrications that have had a stain guard treatment as the product will not be adopted into the fabrication

Application / Use Levels

Coverage rate of the product depends on the absorbency of the fabrics to be treated and fibre blend. 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.

In general: 1 liter of Magma Firestop® IMA-120 is needed to treat 8-12 m² for curtains, for carpets 6-10 m² per liter.

Magma Firestop® IMA-120 is supplied as a ready to use product. Apply by low pressure sprayer.

Important notes

Magma Firestop® IMA-120 is compatible with a variety of textile auxiliaries, but wherever possible, compatibility checks should be performed prior to the final application.

Packaging / Storage / Transport / Regulatory Approvals

Packaging:	10 and 25 kg containers and 1000 kg Intermediate bulk containers (IBC)
Shelf Life:	36 months from production date for unopened packaging when stored at approximately 20°C
Availability:	Ex stock in the above packaging
Storage:	Store in the original containers and protect from extremes of temperature, especially heat and direct sunlight.
Transportation:	Magma Firestop® IMA-120 is classified as non-hazardous for transport

Safety / Labelling / Toxicology

For detailed information on the safety and handling of Magma Firestop® IMA-120, 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.