

MAGMA FIRESTOP CF-L2

PRODUCT DATA SHEET

The sustainability of current building materials need to be addressed to reduce emissions and energy consumption. This will lead to a more eco-friendly building industry. Organic insulation materials are one of the greenest building products you can imagine. Untreated organic insulation materials are however, flammable and need to be treated with a fire retardant product to comply with the fire standards as described in the Building legislation.

Magma Firestop® CF-L2 is a phosphorous based fire retardant liquid, comprising nitrogen components and especially developed for organic insulation material.

Magma Firestop® CF-L2 complies with the latest environmental considerations of Building insulation and does not contain halogens, boron or ammonia.

Through addition of **Magma Firestop® CF-L2**, the reaction-to-fire behavior of cellulose based materials can be improved and required fire classifications can be achieved.

Chemical and Physical Characteristics

Composition:	Liquid
Density:	1,2 g/cm ³
Appearance:	Transparant blue
Odour:	Faint, typical odour
pH:	5
Solubility:	Fully soluble in water

Manufacturer:

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Application / Use Levels

Magma Firestop® CF-L2 should be diluted in water prior to use. A typical solution concentration of 150 gram per liter water for treatment of cellulosic fibers by spray method may be appropriate. For multiple fiber blends, where a combination of cellulosic and synthetic fibers are present, an increase in the concentration may be required.

Immersion of the material in this solution will give even better results, concentration of the liquid may be lowered for such application.

The **Magma Firestop® CF-L2** liquid needs to be sprayed on the loose fiber material and might be after centrifuge be dry enough to process further. If not the fibers can be dried at a maximum temperature of approximately 80°C. but it should be adequate to dry the treated fibers at ambient temperatures and wind.

A wet pick up of 100% (w/w) is recommended to achieve a satisfactory level of fire safety. The treated cellulose fibers can be dried at a maximum temperature.

It's important to find the best nozzles that can create a finely atomized spray with uniform droplet size and consistent spray angles. A mist nozzle as used in fogging systems, will give fine droplets which will treat the cellulose uniformly but will not wet the material too much. Such spray system will save money and time on drying but also on spoiling **Magma Firestop® CF-L1**.

Packaging / Storage / Transport / Regulatory Approvals

Packaging:	25 kg cans/200 kg drums and 1000 kg IBC's
Shelf Life:	12 months when stored in closed packaging. Limited when packaging has been opened
Availability:	Stock product
Storage:	Store in the original packaging in roof covered, dry warehouses and protect from extremes of humidity and temperatures.
Transportation:	Classified as non hazardous for transport & storage

Safety / Labelling / Toxicology

For detailed information on the safety and handling of **Magma Firestop® CF-L1**, please refer to the separate Material Safety Data Sheet. It is important and recommended to take notice of general safety & hygiene precautions also for safe, environmental friendly chemicals.

Do not eat, drink or smoke during application. Do not flush unused chemicals but dispose this in accordance with local waste disposal regulations.

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.