

Flamebar

Flamebar

Highly effective and economical range of water based flame retardants tested to British Standards to improve fire safety of a wide range of materials.

Flamebar S1WA2

For lightweight cotton, textiles and paper.

Flamebar PE6

Natural Fabrics & Materials: Cotton, Linen, Muslin, Rayon, Wool, Silk, Feathers, Animal Skins

Synthetic textiles: Polyester, Nylon, Acrylics, Dralon, Suede, Polycotton, Silk & Artificial Silk (Rayon) Flowers, Carpets, Wall Coverings, Curtains, Seating, Mattress Cover, Foam, Stage Curtains, Drapes & Scenery

Flamebar S3 - Economical Solution

Natural materials: Cotton, Hessian, Rope, Sisal, Woven Cotton Tapes & Belts, Canvas Welding Screens, Tarpaulins, Tent Canvas, Lighter Weight Cardboard.

Flamebar S3 can be diluted with 1 to 2 volumes of water for thin materials.

Flamebar N5

Wood and wood products: For heavy materials. Softwood, Hardwood, Plywood, Chipboard, Weyrocboard, Hardboard, Insulation Board, Heavyweight Cardboard, Industrial Belting, Stage Wood Props, Exhibition Boards, Polyurethane foams, Polystyrene Foam Tiles, Wood Fibre & Shavings, Peat, Bark, Vacuum Impregnation Of Wood, Straw.

Flame Retardant Dry Crystals

These crystals are designed to be mixed with water to make-up an economical flame retardant solution. The dilution rate is 1:5 dependant on the material to be treated.

1 Kilo would make up approximately 5 Litres, 500g would make approximately 2.5 Litres.

Coverage

Depends on absorbency and thickness of the material. Guide quantities are as follows:

Heavyweight / Medium weight Fabrics	4 - 6 sq. metres per litre
Light weight Fabrics	7 - 9 sq. metres per litre
Wood	4 - 6 sq. metres per litre
Wood to Class 1	3 - 4 sq. metres per litre
Paper / Thin Card	10 metres per litre

In a warm ventilated atmosphere drying will be quicker, but be aware that drying too quickly can cause white marking on surface. A cool iron may be used.

Treatment

Will withstand dry cleaning solvents but needs re-application after washing or other exposure to water. It is long lasting in dry conditions.

British Standards

Flamebar flame retardants have been tested on a wide variety of materials to British Standard levels as listed on fire certificate data sheet. These include BS5867 part 2 1980 flammability of furnishing standard mainly for fabrics and building regulation standard BS476 part 7 surface spread of flame. These are mainly on wood and allied products.

Flame Retardancy

It is not possible to produce a non ignitable finish on all materials. The level varies, but the most effective treatments are on absorbent materials like cotton and other natural fibres; wood, straw, cardboard and paper products etc. Synthetic materials are more difficult to treat with most plastics being extremely difficult to upgrade this way. Finishes like scotchguard stain proofing present difficulties of penetration. Increased penetration is normally possible by adding wetting agent or raising the temperature of the solution. The purpose is to obtain the best flame retardancy possible with the particular material applying the most suitable flame retardant. This is to make the material more difficult to ignite, to slow any flame spread down to a minimum and prevent smouldering. In this way, in case of fire, it helps along with other measures to provide a time delay for people to evacuate the area safely.

Health and Safety

Flamebar solutions are not harmful when used as directed. Observe normal safety precautions limiting exposure to a minimum by providing ventilation and using gloves, goggles, and mask for extended spraying. Refer to Health and Safety Sheet Before use.

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Fireproofing Solution

Flamebar S1WA2

1 Litre	9.42	11.30
2½ Litre	19.75	23.70
5 Litre	36.92	44.30
25 Litre	123.50	148.20

Flamebar PE6

1 Litre	9.33	11.20
2½ Litre	19.75	23.70
5 Litre	37.00	44.40
25 Litre	142.08	170.50

Flamebar S3

1 Litre	9.08	10.90
2½ Litre	19.25	23.10
5 Litre	35.92	43.10
25 Litre	137.83	165.40

Flamebar N5

1 Litre	9.00	10.80
2½ Litre	18.58	22.30
5 Litre	34.83	41.80
25 Litre	133.67	160.40

Spray Container

Plastic 1 L	2.00	2.40
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Flame Retardant

Dry Crystals

500 g	13.00	15.60
1 Kilo	23.25	27.90

