Flamebar™

A specially formulated effective economical range of water based flame retadant solutions for portable items. For interior use only.

Flamebar Range

Product(s)	Flame Retardants	Available in
Flamebar PE6	**Synthetic and natural materials** Polyester Nylon Cotton Linen Acrylic fabrics and blends Hessian Felt Wallcoverings Curtains Drapes dried plants / leaves	1L Trigger, 5L, 25L
Flamebar N5	**Wood products** Cardboard Pulpboard Hardwood Straw wall boards Plywood & general stage props etc.	1L Trigger, 5L
Flamebar S3	**Absorbent textiles / lightweight materials** Cotton Linen Wool Paper products Cardboards Stage drapes of natural material Woven cotton belting Canvas welding screens	1L Trigger, 5L, 25L
Flamebar S1WA2	**Lightweight absorbent natural materials** Cotton fabric Silk Muslin Gauze Wool Paper packing Stage drapes scenery fabric of natural materials e.g. Cotton.	1L Trigger, 5L, 25L

Bollom FIRE PROTECTION

For **technical advice** or **a list of stockists,** contact: **Bollom Fire Protection - A Division of Tor Coatings Limited,** Portobello Industrial Estate, Birtley, County Durham, DH3 2RE. **www.bollomfire.co.uk**

Tel: +44 (0)191 410 6611 **Fax:** +44 (0)191 492 0125 **E-mail:** enquiries@tor-coatings.com **Web:** www.bollomfire.co.uk

Technical Advice: +44(0)191 4113166 **E-mail:** techsupport@tor-coatings.com

General information

Test

We recommend that a small sample is tested before application to main substrate, to check suitability and application rate. Dry and test with match or suitable flame. Correctly treated items should exhibit good flame retardancy with no smouldering or after glow.

Concentration

Flamebar solutions are supplied ready for use.

Dry

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.

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. The purpose is to obtain the best flame retardancy possible with the particular material applying the most suitable flame retadant 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. **It is the responsibility of the end user to validate the product is fit for their application.**

Health and Safety

Refer to Health and Safety Sheet before use.

How to apply Flamebar solutions

Instructions

Apply by spraying or dipping. Test samples first for suitability and level of treatment. Check apperance when dry and fire retardancy with a flame. Normally solutions are used as supplied but in certain cases may need to be diluted.

Spraying

Use trigger spray, garden type pump up sprayer or airless spray. Spray uniformly from about 30-40cm on clean, dry material. One treatment may be sufficient but repeat after drying if required. Excess may cause some stiffening. Two light sprayings are preferable to one heavy application. Adopt instructions for application to wood and paper products, boards, wall coverings and foam. Wash all equipment after use with clean water.

Dipping

Use plastic or stainless steel container. Ascertain concentration required by test. Soak clean material in solution until wet out (1-2 minutes). Wring out evenly, preferably through hand or power wringer leaving in about 75% of the original weight of fabric. Dry, avoiding excess localised heat, a cool iron may be used, do not dip velvet or pile fabrics (must be sprayed).

Coverage

Depends on absorbency and thickness of the material but approximations are:

Heavy weight / medium wt. fabric	4-6 square metre per litre
Light weight fabric	7-9 square metre per litre
Wood products	4-6 square metre per litre
Paper / thin card	10 square metre per litre

Notes

Performance: Correctly treated items exhibit good flame retardancy with no smouldering or afterglow, but some items like synthetics which are non absorbent are more difficult to treat. The treatment is long lasting in dry condtions. It withstands dry cleaning but reapply after washing. Good fast colours are normally not affected. Protect mirrors, metals, decorative and polished surfaces. Wash with clean water.

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