

# FLAME RETARDANTS

## FLINTS BLAZEBLOCKA®



**F** **Flints BlazeBlocka®** our new easy-to-apply flame retardant. It will prevent the spread of flame on a wide variety of materials by forming a heat shield which deflects the heat away from the material. BlazeBlocka® can be used on pretty much any absorbent material - it's colourless, odourless and non-toxic. Use it to treat carpet, hessian, foam rubber, dried flowers, curtains, cotton, canvas, polycotton, polyester and more.

Coverage: approx. 10.5 m<sup>2</sup>/L. Always pre-test a sample before application. Spray the material to be treated on both sides ensuring all the edges are treated, or dip to saturate. Allow to dry. Re-apply if wetted. Tests have shown that on cotton canvas, polyester, and a poly/cotton mix it Successfully achieved BS5867: Part 2: 2008 (2015): Type B Curtains, Drapes and Blinds on cotton canvas, polyester and poly/cotton, and BS476: Part 7: Class 2 on Plywood. Certs available on our website. The 1 litre bottle is provided with a trigger spray for easy application.

Flints BlazeBlocka®	size	code	price
	1 L	FHSBB01	£14.00
	5 L	FHSBB05	£49.00
	25 L	FHSBB25	£198.00

## FLAMEBAR FLAME RETARDING SOLUTIONS



**Flamebar** Flamebar Solutions are water-based, and have negligible colour. Flamebar is a semi-durable flame retardant treatment for interior use. Flamebar's system is designed with different solutions for different materials, rather than a one-

solution-fits-all. The solution can be applied by dipping, spraying, padding or brushing, but as a general rule the application should result in a 6-12% increase in dry weight to give adequate flame resistance. Testing should always be carried out. For professional use only.

### Flamebar Solution Type and Coverage Chart

Solution	Use/ coverage
<b>PE6</b>	<b>Natural fabrics &amp; materials:</b> cotton, linen, muslin, wool, silk, feathers, leather. <b>Synthetic fabrics:</b> polyester, nylon, acrylics, Dralon, polycotton, silk and artificial silk [rayon] flowers, carpets, floor coverings, wall coverings, curtains, seating, stage curtains, drapes, scenery. <b>Approximate coverage:</b> Heavy or Medium weight fabric: 4 - 6 m <sup>2</sup> /L Light weight fabric: 7 - 9 m <sup>2</sup> /L
<b>N5</b>	<b>Wood and wood products:</b> softwood, hardwood, plywood, chipboard, hardboard, cork, heavyweight cardboard, stage wood props, sawdust, shavings, wood nuggets, peat, bark, straw. <b>Approximate Coverage:</b> Wood: 4 - 6 m <sup>2</sup> /L

Flamebar	code	1 L	code	5 L	code	25 L
N5	-	-	FLA012	£63.60	FLA052	£255.20
PE6	FLA035	£19.55*	FLA015	£65.35	FLA055	£262.81

\*One litre sizes come in spray applicator bottles.

## FLORIMP K VERDE



**Florimp K Verde** Highly effective, concentrate non-halogen flame retarding solution for cellulose and polyester fibres. Recommended to us by the ROH production department, we have been thoroughly impressed. When testing on cheap artificial flowers from a Walworth Road pound shop [wow, do those things go up in flames or what!?!] this impressive solution completely prevented fire from taking hold. Certified in accordance to DIN 4102 / B1 [Data sheets and test certs available in the 'downloads' section of our website]. We did find that the flowers went a bit stiff after they'd been dipped in the solution. If stiffness isn't an issue and you're working with artificial materials like Polyester, we can highly recommend this.

Florimp K Verde	size	code	price
	1 L	FLAFV01	£38.70
	5 L	FLAFV05	£139.00

### Need some advice?

Some materials are easy to flame retard and some are notoriously difficult. Generally, the easy materials are the ones that will absorb the flame retarding solution. Materials such as cotton, cardboard and paper are generally easy to treat whereas non-absorbent materials such as shiny PVC and glossy plastics are very tricky and should really be treated during manufacture. It is not possible for us to supply certification to cover material that you have treated as it will depend on the substrate and method of treatment. The flame retarding solutions we sell are designed to make the materials more difficult to ignite, to slow the spread of flame and prevent smouldering. Any standards given are purely indicative of results achieved by specific tests in the past.

## MSL FIRECHECK®



**MSL Firecheck®** A simple and effective treatment to combat fire. MSL Firecheck® is colourless and odourless and when dry is practically unnoticeable. It can be used to effectively treat any water absorbent item. MSL Firecheck® is tested to BS 5852 Part 2 [crib 5] when treating natural fibres, mixed

fibres [cotton/polyester] and synthetic fabrics such as nylon and polyester. MSL Firecheck® can also be used to treat hessian, foam rubber, untreated wood and other items that can absorb the chemical. Covers approximately 10 - 12 m<sup>2</sup> per litre. Available in 750 ml trigger spray bottles or in 5 litre and 25 litre containers.

MSL Firecheck®	code	750 ml	code	5 L	code	25 L
	FLAFC75	£12.50	FLAFC05	£60.00	FLAFC25	£280.00

## ENVIROGRAF 3-2-1 SPECIAL



**Envirograf 3-2-1 Special** A clear odourless flame retarding solution for use on plastic artificial flowers and foliage. Will work on most absorbent plastics, nylon and other synthetics.

Envirograf 3-2-1	size	code	price
	1 L	FLA3211	£23.63
	5 L	FLA3215	£109.65

## FLAMECHECK PLUS



**Flamecheck PLUS** This upgrade from Flamecheck has now been certified to BS5867-2 Type B: 2008 when tested on cotton, polyester, and polycotton [please download certificated from our website "downloads" page]. A colourless, odourless, non-toxic, non-corrosive liquid that can be sprayed onto any type of material which will absorb

the chemicals including both natural and mixed fibres. Always pre-test a sample before treatment. Application lasts for the useful life of material treated, though we recommend reapplication if the material get wet or is washed. 1 litre covers 320 - 376 square feet [30 - 35 m<sup>2</sup> per litre].

Flamecheck Plus	code	1 L	code	5 L	code	25 L
	FLA075	£15.00	FLA076	£62.50	FLA077	£295.00

## ROSCOFLEX

**Rosco Flame Retarding Solutions**

Rosco flame retarding products are designed to be used on scenery rather than costumes or clothing. Do not use with metallic paints. Rosco suggest you allow the first coat to sink in and apply the second coat before the first coat dries. See also Roscoflamex PA in the paint additives section below.

**Rosco Solution Type and Coverage Chart**

Solution	Use	Dilution
<b>NF</b>	<b>Natural fabrics:</b> eg. cotton	<b>1:2 with water</b>
<b>SF</b>	<b>Synthetic fabrics:</b> eg. polyester, nylon, rayon, blends	<b>ready to use</b>
<b>WD</b>	<b>Wood Products</b>	<b>ready to use</b>
<b>DF</b>	<b>Delicate fabrics:</b> natural or synthetic, maintains soft hand	<b>ready to use</b>
<b>PC</b>	<b>Paper and Cardboard:</b> uncoated only	<b>ready to use</b>

Roscoflamex	size	code	price
Roscoflamex NF	3.97 L	ROSNF0128	£48.25
Roscoflamex SF	3.97 L	ROSSF0128	£77.50
Roscoflamex WD	3.97 L	ROSWD0128	£77.50
Roscoflamex DF	3.97 L	ROSDF0128	£77.50
Roscoflamex PC	3.97 L	ROSPC0128	£77.50

## FLAME RETARDING ADDITIVES FOR PAINT



**RoscoFlamex PA** Clear liquid additive that can be added to acrylic paints and glazes to make them flame retardant. One 8 oz jar treats 3.79 litres. Do not use with metallic paints.

RoscoFlamex PA	size	code	price	12+
	8 oz	ROSPA0128	£17.75	£16.59

## NON COMBUSTIBLE COATINGS



**HATO@Safe** This simple non-combustible [EN13501] coating system from Haussmann is great for propmakers on the go who need to reinforce small props. Easy to use, simply add water to the powdery base [37:100], mix thoroughly and apply to

the surface - see full listing on page 45 for full details. Normal colour: Off-White, other colours achievable by adding water-based paint. See also Jesmonite [page 115] SPECIFICATION: Ratio Water: HATO@Safe Powder - 37:100. Open time of 60 minutes, Full cure in 24 hours. Apply by brush, or palette knife.

HATO@Safe	code	price
1 kg	PAT1090001	£16.55
5 kg	PAT1090005	£59.00

## FIRE PROTECTION PAINTS AND VARNISHES



**HATO@Protect** Water-based fire prevention coating primer for timber structures. Certified to Euroclass C, DIN EN 13501-1. Designed [and certified] for use on timber alone, we tested on a clock of Polystyrene with impressive results [see the full listing on page 7 for product details]. Light grey colour that's easy to overcoat. Has maintained certification once overcoated with HATO@Design Paint [see page 17], but we suggest that any standard theatre paint would suffice. As always, certification is only valid on the actual sample tested and is otherwise a guideline. SPECIFICATION: Apply by brush, roller or spray gun. Recommend 2 coats. Thin with water: max 3% dilution. Coverage: 225 g/m<sup>2</sup> per coat.

HATO@Protect	size	code	price
Light Grey	5 kg	PAT1530005	£94.00
Light Grey	12.5 kg	PAT1530125	£198.00



As used on British Airways' Boeing 747s

**Broflame Ultra Intumescent Emulsion Paint**

A water-based non-toxic intumescent emulsion paint which in a fire softens and expands to a thickness of 30 mm. This will insulate the structure from intense heat and control the spread of flame. Needs to be applied according to the application guide but typically apply at least two

coats to achieve a final coverage of between 2 and 2.5 m<sup>2</sup> per litre.

SPECIFICATION: Achieves BS 476 Part 6 Class 0 [Fire Propagation] and BS 476 Part 7 Class 1 [Spread of Flame] on plywood, softwood and MDF etc. Broflame can be overcoated with flame retardant paints to achieve the desired colour [page 15].

Broflame	size	code	price
Slightly off-white	5 L	FLA061	£99.98

**Bollom Intulac Ultra Intumescent Varnish For Wood**

Apply two coats of the clear base coat then overcoat after 8 hours, and before 18 hours, with the hard wearing protective coating which is available in matt or satin.

SPECIFICATION: Coverage: basecoat - a 5 L can will treat 12.5 m<sup>2</sup> to Class 0, topcoat - a 500 ml can will cover 12.5 m<sup>2</sup>. Basecoat clean up with water. Topcoat clean up with white spirit. Go to flints.co.uk/downloads for copies of the fire certification and data sheets.

Intumescent Varnish for Wood	code	500 ml	5 L
Clear Basecoat	FLABM675B	-	£208.98
Protective Topcoat [matt]	FLABM675M	£44.60	-
Protective Topcoat [satin]	FLABM675S	£44.60	-

## FIRE PILLOWS



**Fire and Smoke Stop Pillows** These soft pillows are used to fill voids to prevent the spread of flame. They can be useful when touring to block voids in difficult areas by the iron curtain.

Fire Pillows	Dimensions [LWD]	code	price
Sausage	300 x 50 x 40 mm	FLAFPSAS	£4.05
Fire pillow small	300 x 100 x 40 mm	FLAFPS	£4.68
Fire pillow medium	300 x 150 x 40 mm	FLAFPM	£5.85
Fire pillow large	300 x 200 x 40 mm	FLAFPL	£6.62

## AND IF THAT LOT DOESN'T WORK...



...see Fire Buckets and Extinguishers on page 362. For storage of Flammable products, see our COSHH / flammable Storage Cabinets on page 365.

