



FLAMEGUARD

FLAME RETARDANT PAINTS

A colourful range of decorative finishes, which will provide
Class 1 and Class 0 ratings to BS 476 Parts 6&7



INTRODUCTION TO FLAMEGUARD PAINTS FIRE PROTECTION

A comprehensive range of flame retardant paints which enables the designer to maintain the overall decorative theme yet satisfy today's building regulations for fire protection.

Flameguard paints are formulated to be as easy to use as conventional paints providing a high quality durable finish.

Conventional paint systems, when subjected to high temperatures, will break down and encourage fire spread. However, when the substrate is treated with Flameguard paints, fire spread is severely checked or even prevented.

DECORATIVE FIRE PROTECTION

Flameguard Decorative Finishes

A full range of finishes - Gloss and Eggshell oil based paints, Matt and Vinyl Sheen Emulsion, Water Based Acrylic Gloss and Eggshell paints.

Flameguard Colour Range

Available in the full BS4800, RAL 840HR and NCS 1&2 colour range in most finishes.

Combustible Surfaces

Flameguard will upgrade, (when used with our Broflame Intumescent Emulsion) combustible surfaces to provide Class 1 and Class 0 fire ratings.

Previously Painted Surfaces

Flameguard paints can provide Class 1 and Class 0 ratings on previously painted non-combustible surfaces and, if used in conjunction with Broflame Intumescent Emulsion, can upgrade previously painted combustible surfaces to Class 1 and Class 0.

HOW TO SPECIFY FLAMEGUARD'S FLAME RETARDANT PAINTS

Flameguard paints are formulated so that in the presence of heat a non combustible gas is evolved which effectively blankets the flame, preventing or severely limiting flame spread.

Flameguard Matt Emulsion

Flameguard Matt Emulsion is quickly and easily applied. Its fast drying formulation and alkali resistant coloured pigments make it particularly suitable for internal wall surfaces and ceilings where a tough, washable hard wearing finish is essential.

Flameguard Vinyl Sheen Emulsion

Flameguard Vinyl Sheen Emulsion provides a high quality decorative finish which has a luxurious silk sheen. Based on a special vinyl resin it is particularly suitable for internal wall surfaces and ceilings where a tough, washable hard wearing finish is essential.

Flameguard Eggshell

Flameguard Eggshell provides a high class, hard wearing satin finish which is washable and highly resistant to condensation and humidity. It is particularly suitable for interior use on wall surfaces in public buildings, factories and schools.

Flameguard Undercoat

Flameguard Undercoat is a high quality Undercoat specially formulated for use under Flameguard Gloss and Eggshell. It has excellent obliteration and maximum holdup as well as good flow and is easy to apply.

Flameguard Gloss

An exceptionally hard wearing decorative protective finish. Flameguard Gloss is formulated for maximum flow, film build and colour retention, which dries to a full brilliant gloss finish. It is suitable for exterior as well as interior applications.

Flameguard Water Based Acrylic Primer/Undercoat

An exceptionally hard wearing decorative protective finish. Flameguard Gloss is formulated for maximum flow, film build and colour retention, which dries to a full brilliant gloss finish. It is suitable for exterior as well as interior applications.

Flameguard Water Based Acrylic Gloss and Eggshell

For application to all suitably primed interior surfaces to reduce flame spread and increase public safety. Ideal for areas in hospitals, food preparation and commercial premises where low odour paints are required.

HOW TO APPLY FLAMEGUARD FLAME RETARDANT PAINTS

Flameguard Matt Emulsion

Based on a special vinyl resin pigmented with Antimony Oxide and leadless pigments to give a high film strength. During a fire its fire retardant formulation effectively eliminates or severely limits the flame spread.

Colour Range:	Full BS4800, RAL 840HR and NCS 1 & 2
Density:	1.1 - 1.3
Flash Point:	None
Shelf Life:	12 months (if stored in unopened containers, protect from frost)
Drying Time:	1 hour
Re-coat:	4 hours
Thinners:	Water
Coverage:	10m ² per litre
Containers:	5 Litre

Flameguard Vinyl Sheen Emulsion

Based on a special vinyl resin pigmented with Antimony Oxide and leadless pigments to give a high film strength. During a fire its fire retardant formulation effectively eliminates or severely limits the flame spread.

Colour Range:	Full BS4800, RAL 840HR and NCS 1 & 2
Density:	1.1 - 1.3
Flash Point:	None
Shelf Life:	12 months (if stored in unopened containers, protect from frost)
Drying Time:	1 hour
Re-coat:	4 hours
Thinners:	Water
Coverage:	10m ² per litre
Containers:	5 Litre

Flameguard Gloss & Eggshell

Flameguard Gloss is based on a Chlorine modified Alkyd blend, pigmented with Titanium Dioxide and Antimony Oxide. When subjected to heat Antimony Trichloride Gas is produced which effectively blankets the flame spread.

Colour Range:	Full BS4800, RAL 840HR and NCS 1 & 2
Density:	1.1 - 1.3
Flash Point:	Above 32°C
Shelf Life:	12 months (if stored in unopened containers)
Drying Time:	4-6 hours
Re-coat:	Overnight
Thinners:	White Spirit
Coverage:	12-14m ² per litre
Containers:	5 Litre

Flameguard Undercoat

Formulated for use under Flameguard Gloss and Eggshell which combine to form an effective flame retardant finish.

Density:	1.1 - 1.3
Flash Point:	Above 32°C
Shelf Life:	12 months (if stored in unopened containers)
Drying Time:	4-6 hours
Re-coat:	Overnight
Thinners:	White Spirit
Coverage:	12-14m ² per litre
Containers:	5 Litre

Flameguard Acrylic Gloss & Eggshell

New generation Water Based Gloss and Eggshell paints for use where solvent based paints are not permitted.

Colour Range:	Limited gloss colour range. BS4800, RAL 840HR and NCS 1 & 2
Density:	1.1 - 1.3
Flash Point:	Above 32°C
Shelf Life:	12 months (if stored in unopened containers)
Drying Time:	4-6 hours
Re-coat:	Overnight
Thinners:	White Spirit
Coverage:	12-14m ² per litre
Containers:	5 Litre

Flameguard Acrylic Primer/Undercoat

Formulated for use under Flameguard Gloss and Eggshell which combine to form an effective flame retardant finish.

Colour Range:	Limited gloss colour range. BS4800, RAL 840HR and NCS 1 & 2
Density:	1.1 - 1.3
Flash Point:	None
Shelf Life:	12 months (if stored in unopened containers, protect from frost)
Drying Time:	1 hour
Re-coat:	4 hours
Thinners:	Water
Coverage:	10m ² per litre.
Containers:	5 Litre

Specification Guide for Flameguard Paints

New surfaces must be clean and dry. Knot and stopped as necessary. Previously painted surfaces must be rubbed down to provide a key. Existing paints must be adhering firmly, if in any doubt remove completely.

Normally apply 2 coats of Flameguard paints over suitable primer by brush, roller or spray. Allow each to fully dry and lightly sand if required.

Some colours may require additional coats to achieve full opacity.

Gloss & Eggshell spray equipment must be cleaned with White Spirit.
Emulsion, Vinyl sheen and Acrylics spray equipment must be cleaned with warm water.

Bollom Fire Protection Technical Department: (020) 8658 2299

COMBUSTIBLE SURFACES

Surface	Finish	Class	System	Coverage sq.mtr/litre	
Hardboard	Matt Emulsion	1	Broflame Intumescent	2.5	
		0	Flameguard Matt Emulsion	10	
	Matt Emulsion	0	Broflame Intumescent	2	
		1	Flameguard Matt Emulsion	10	
	Vinyl Sheen Emulsion	1	Broflame Intumescent	2.5	
		1	Flameguard Vinyl Sheen Emulsion	10	
	Eggshell	1	Broflame Intumescent	2.5	
		1	Flameguard Eggshell	6/7	
	Eggshell	0	Broflame Intumescent	2	
		0	Flameguard Eggshell	6/7	
	Gloss	1	1	Broflame Intumescent	2.5
			1	Flameguard Undercoat	12/14
		0	Flameguard Gloss	12/14	
	Gloss	0	0	Broflame Intumescent	2
0			Flameguard Undercoat	12/14	
0		Flameguard Gloss	12/14		
M.D.F. (Medium Density Fibreboard)	Matt Emulsion	1&0	Broflame Intumescent	2	
		1&0	Flameguard Matt Emulsion	10	
	Vinyl Sheen	1&0	Broflame Intumescent	2	
		1&0	Flameguard Vinyl Sheen Emulsion	10	
	Eggshell	1&0	Broflame Intumescent	2	
		1&0	Flameguard Eggshell	6/7	
	Gloss	1&0	1&0	Broflame Intumescent	2
			1&0	Flameguard Undercoat	12/14
1&0	Flameguard Gloss	12/14			
Previously Painted Surfaces	Matt Emulsion	1&0	Broflame Intumescent	2	
		1&0	Flameguard Matt Emulsion	10	
	Vinyl Sheen	1&0	Broflame Intumescent	2	
		1&0	Flameguard Vinyl Sheen Emulsion	10	
	Eggshell	1&0	Broflame Intumescent	2	
		1&0	Flameguard Eggshell	6/7	
	Gloss	1&0	1&0	Broflame Intumescent	2
			1&0	Flameguard Undercoat	12/14
1&0	Flameguard Gloss	12/14			
Chipboard	Matt Emulsion	1&0	Broflame Intumescent	2	
		1&0	Flameguard Matt Emulsion	10	
	Vinyl Sheen	1&0	Broflame Intumescent	2	
		1&0	Flameguard Vinyl Sheen Emulsion	10	
	Eggshell	1&0	Broflame Intumescent	2	
		1&0	Flameguard Eggshell	6/7	
	Gloss	1&0	1&0	Broflame Intumescent	2
			1&0	Flameguard Undercoat	12/14
1&0	Flameguard Gloss	12/14			
Softwood (43mm)	Matt Emulsion	1	Flameguard Matt Emulsion	3.5	
	Vinyl Sheen	1	Flameguard Vinyl Sheen Emulsion	3.5	
Softwood General Surfaces	Matt Emulsion	1&0	Broflame Intumescent	2.5	
		1&0	Flameguard Matt Emulsion	10	
	Vinyl Sheen	1&0	Broflame Intumescent	2.5	
		1&0	Flameguard Vinyl Sheen Emulsion	10	
	Eggshell	1&0	Broflame Intumescent	2.5	
		1&0	Flameguard Eggshell	6/7	
	Gloss	1&0	1&0	Broflame Intumescent	2.5
			1&0	Flameguard Undercoat	12/14
1&0	Flameguard Gloss	12/14			
Plywood	Matt Emulsion	1	Broflame Intumescent	2.5	
		0	Flameguard Matt Emulsion	10	
	Matt Emulsion	0	Broflame Intumescent	2	
		1	Flameguard Vinyl Sheen Emulsion	10	
	Vinyl Sheen	1	Broflame Intumescent	2.5	
		1	Flameguard Vinyl Sheen Emulsion	10	
	Vinyl Sheen	0	Broflame Intumescent	2	
		0	Flameguard Vinyl Sheen Emulsion	10	
	Eggshell	1	Broflame Intumescent	2.5	
		1	Flameguard Eggshell	6/7	
Eggshell	0	Broflame Intumescent	2		
	0	Flameguard Eggshell	6/7		

COMBUSTIBLE SURFACES

Surface	Finish	Class	System	Coverage sq.mtr/litre
Plywood (Continued)	Gloss	1	Broflame Intumescent	2.5
			Flameguard Undercoat	12/14
	Gloss	0	Flameguard Gloss	12.14
			Broflame Intumescent	2
			Flameguard Undercoat	12/14
Blockboard	Matt Emulsion	1	Flameguard Gloss	12.14
			Broflame Intumescent	2.5
	Matt Emulsion	0	Flameguard Matt Emulsion	10
			Broflame Intumescent	2
	Vinyl Sheen	1	Flameguard Vinyl Sheen Emulsion	10
			Broflame Intumescent	2.5
	Vinyl Sheen	0	Flameguard Vinyl Sheen Emulsion	10
			Broflame Intumescent	2
	Eggshell	1	Flameguard Vinyl Sheen Emulsion	10
			Broflame Intumescent	2.5
	Eggshell	0	Flameguard Eggshell	6/7
			Broflame Intumescent	2
	Gloss	1	Flameguard Eggshell	6/7
			Broflame Intumescent	2.5
	Gloss	0	Flameguard Undercoat	12/14
		Flameguard Gloss	12.14	
		Broflame Intumescent	2	
			Flameguard Undercoat	12/14
			Flameguard Gloss	12.14

NON-COMBUSTIBLE SURFACES

Surface	Finish	Class	System	Coverage sq.mtr/litre	
Plasterboard (Plastered Surfaces)	Matt Emulsion	1&0	1 coat 'Flameguard' Matt Emulsion	20	
			Thinned 2 - 1		
	Vinyl Sheen Emulsion	1&0	Flameguard Emulsion	5	
			1 coat 'Flameguard' Matt Emulsion	20	
	Eggshell	1&0	Thinned 2 - 1		
			Flameguard Vinyl Sheen Emulsion	5/6	
	Gloss	1&0	1coat Bollom Chlorub Sealer	5/8	
			Flameguard Eggshell	6/7	
	Previously Painted Surfaces	Eggshell	1&0	1coat Bollom Chlorub Sealer	5/8
				Flameguard Undercoat	12/14
Gloss		1&0	Flameguard Gloss	12/14	
			Flameguard Gloss	6/7	
			Flameguard Undercoat	12/14	
			Flameguard Gloss	12/14	

FIRE TEST DATA

Flameguard paints have been fully tested at Warrington Yarsley Technical Centre, Redhill, Surrey and the Loss Prevention Council Technical Centre, Borehamwood, Herts., Class 1 and Class 0 fire rating to BS 476 parts 6 & 7.

FLAMEGUARD EMULSION			FLAMEGUARD WATER BASED ACRYLIC EGGSHELL		
Material	Classification	Test Report	Material	Classification	Test Report
Plasterboard	Class 0	C65546/5	Supalux	Class 0	TE81328
Supalux	Class 0	TE82559	Supalux	Class 1	TE81330
Softwood(43mm)	Class 1	C60734/1	FLAMEGUARD GLOSS		
Fibreboard	Class 1	C60484/3	Material	Classification	Test Report
Plasterboard	Class 1	C65546/3	Plasterboard	Class 0	J84312/3
Supalux	Class 1	TE82556	Plasterboard	Class 1	C60484/1
FLAMEGUARD VINYL SHEEN EMULSION			Supalux	Class 0	J84312/2
Material	Classification	Test Report	Supalux	Class 1	J84312/1
Supalux	Class 0	J80094/4	Previously Painted Surfaces	Class 1	TE86081
Supalux	Class 1	J80094/1	Previously Painted Surfaces	Class 1	TE86081
FLAMEGUARD WATER BASED ACRYLIC GLOSS			FLAMEGUARD EGGSHELL		
Material	Classification	Test Report	Material	Classification	Test Report
Supalux	Class 0	TE81327	Plasterboard	Class 0	J84312/7
Supalux	Class 1	TE81329	Plasterboard	Class 1	C60484/2
			Previously Painted Surfaces	Class 1	TE86081
			Previously Painted Surfaces	Class 1	TE86082



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