



SLOWS THE SPREAD OF FLAME



FOR OVER 120 YEARS, JOHNSTONE'S HAS A HISTORY FOR BEING ONE OF THE UK'S FOREMOST PROFESSIONAL PAINT BRANDS. JOHNSTONE'S SPECIALISES IN MEETING THE NEEDS OF TRADE DECORATOR'S AND SPECIFIERS, AND IS PROUD TO OFFER A FULLY COMPREHENSIVE RANGE OF HIGH QUALITY PRODUCTS DESIGNED TO MEET THE REQUIREMENTS OF ANY PROJECT.

JOHNSTONE'S IS AT THE FOREFRONT OF TECHNOLOGY AND INNOVATION, WITH CONSTANT MARKET EVALUATION AND MONITORING ENSURING THAT THE BROAD RANGE OF PRODUCTS AND SERVICES AVAILABLE, CONTINUES TO BE THE BENCHMARK FOR THE UK PAINT INDUSTRY.



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SLOWS THE SPREAD OF FLAME



Approved

Tested in accordance to BS476 Parts 6&7



Inhibits flame spread

Innovative technology that improves escape time



Tough & Durable

Outstanding durability that can be scrubbed clean

IT'S YOUR DUTY TO CARE



Your Duty of Care

BUILDING DESIGNERS, MANAGERS, OWNERS, LOCAL AUTHORITIES AND FACILITIES MANAGERS HAVE A LEGAL DUTY OF CARE TO MINIMISE THE RISK OF FIRE.

There have been many well documented cases in recent years, where the presence of multiple paint layers has been proven to accelerate the spread of flame, resulting in the loss of life.

The new Johnstone's Flame Defence System (FDS) has been specifically formulated to inhibit and slow the surface spread of flame and is designed to meet today's Building Regulations where a build up of paint layers is likely to occur.

Johnstone's FDS paints are formulated to comply with legislative expectations detailed within the following two acts.

As part of the Regulatory Reform (Fire Safety) Order 2006 (UK & Wales) & the Fire (Scotland) Act 2006, building designers, managers and owners, housing associations, local authorities and facilities managers all have a legal **'Duty of Care'** to minimise the risk of fire within their premises and prioritise the safety of its occupants.



EXTINGUISH THE RISK



The Building Regulations Explained

APPROVED DOCUMENT B STATES THAT, “TO INHIBIT THE SURFACE SPREAD OF FLAME WITHIN A BUILDING, THE INTERNAL LININGS SHALL AND MUST”:

- A** Adequately resist the spread of flame over their surfaces, and...
- B** Have, if ignited, a rate of heat release or a rate of flame growth, which is reasonable in the circumstances.

The level of flame retardance required for commercial and residential buildings as documented in the Building Regulations 2010 is Class 1 or Class 0.

RESIDENTIAL	ROOMS UP TO (4m ²)	CIRCULATION AREAS
Dwelling House	Class 1	Class 1
Flats	Class 1	Class 0
Institutional	Class 1	Class 0
NON-RESIDENTIAL	ROOMS UP TO (4m ²)	CIRCULATION AREAS
Assembly	Class 1	Class 0
Offices	Class 1	Class 0
Shops	Class 1	Class 0

Circulation Areas - Hallways / Stairwells / Escape routes



BE HOME AND DRY



Surface Classifications

BEFORE YOU CAN SPECIFY OR RECOMMEND A JOHNSTONE'S FDS PRODUCT, FIRST YOU NEED TO ASCERTAIN THE SURFACE LEVEL OF COMBUSTIBILITY.

CLASS 0	CLASS 1	CLASS 2	CLASS 3	CLASS 4
Non Combustible Surface	Combustible Surface			Highly Combustible Surface

Class 0 The best case scenario (non-combustible).

Class 1 Adequate spread of flame.

Class 2 & 3 Are rarely considered for communal and circulation areas, as Class 1 & Class 0 are the key drivers of legislation for broad wall and internal linings.

Class 4 The worst case scenario (highly combustible).



FLAME RETARDANT TESTING



UNCOATED CLASS 4 SURFACE

COATED CLASS 4 SURFACE

FIRE STARTED



FIRE STARTED



30-60 SECONDS



30-60 SECONDS



60-90 SECONDS



60-90 SECONDS



BS Testing

JOHNSTONE'S FLAME RETARDANT PAINT ACHIEVES CLASS 0 UNDER TEST

The Johnstone's FDS paints have been independently tested to the most rigorous standards at both industry recognised test houses in the UK: BRE (Building Research Establishment) and Exova Warrington Fire.

Johnstone's Flame Retardant Paints achieve Class 0 under test by the BRE and Exova Warrington Fire.

BRE is the most recognised independent testing facility for Flame Retardant products, working within the industry for more than 100 years to set the standards necessary to ensure that fire safety products work effectively.

Exova Warrington Fire is the global provider of fire and security testing certification. Exova Warrington Fire supplies the "Blueboard" test substrate used during BS476 Parts 6&7 tests. Blueboard is a Class 4 worst case scenario substrate made up of a cocktail of solvent and water based paint coatings. To achieve Class 0 a Flame Retardant product must be tested over Blueboard.

CLASS 1

Class 1 is measured by BS476 Part 7, which tests the ability of a paint coating to prevent the surface spread of flame in terms of extent and rate. The classifications range from Class 4-1, Class 1 being the best result.

CLASS 0

To upgrade a Class 1 substrate to Class 0, Flame Retardant products must pass BS476 Part 6, which measures heat contribution. Class 0 is generally required for ceiling and wall finishes in public circulation areas and escape routes usually over 4m².

In order to state Class 0 Flame Retardant Paint coating must pass both of these tests.

Johnstone's FDS Paints have passed both tests.





The Product Systems

JOHNSTONE'S FLAME RETARDANT PAINTS KEEPS THINGS SIMPLE!

To simplify the specification process and reduce the uncertainty surrounding the specification of paint for redecoration over existing paint coatings, Johnstone's has introduced two new product systems.

1 Flame Retardant Top Coats, Durable Matt and Acrylic Eggshell are to be applied as a minimum of a two coat system and are designed to inhibit the spread of flame. Both products are ideal for application onto new unpainted surfaces but also for painting over sound existing coatings with up to 10x like for like paint layers maintaining the surface at Class 1 or Class 0.

2 The Johnstone's **Intumescent Upgrade System** is one of only a few complete solutions on the market today, which

achieves Class 0 under test and is approved for upgrading a Class 4 surface back to Class 0, and thereby removing the uncertainty associated with the ambiguity in claims relating to Classes 2 and 3.

Johnstone's Flame Retardant Intumescent Upgrade System has been specifically formulated and fully tested in accordance with BS476 Parts 6&7. This provides the capability of upgrading the worst case substrate (Class 4) to the highest specification for surface spread of flame and fire propagation (Class 0), providing that the existing substrate is sound for redecoration.



FLAME RETARDANT TOP COAT - DURABLE MATT

TESTED	BS476 PARTS 6&7
SIZE	5L Only
COLOUR	16,000 available
NO. OF COATS	Minimum 2 coats
RECOAT	4-6 Hours



FLAME RETARDANT INTUMESCENT UPGRADE SYSTEM - 2PK PRIMER BASE

TESTED	BS476 PARTS 6&7
SIZE	5L Only
COLOUR	White only
NO. OF COATS	1 of a 4 coat system
RECOAT	4 Hours



FLAME RETARDANT INTUMESCENT UPGRADE SYSTEM - ACRYLIC MATT

TESTED	BS476 PARTS 6&7
SIZE	5L Only
COLOUR	7,000 available (Pastel only)
NO. OF COATS	2 of a 4 coat system
RECOAT	4-6 Hours



FLAME RETARDANT TOP COAT - ACRYLIC EGGSHELL

TESTED	BS476 PARTS 6&7
SIZE	5L Only
COLOUR	16,000 available
NO. OF COATS	Minimum 2 coats
RECOAT	4-6 Hours



FLAME RETARDANT INTUMESCENT UPGRADE SYSTEM - BASE COAT

TESTED	BS476 PARTS 6&7
SIZE	10L Only
COLOUR	White only
NO. OF COATS	1 of a 4 coat system
RECOAT	16 Hours



FLAME RETARDANT INTUMESCENT UPGRADE SYSTEM - ACRYLIC EGGSHELL

TESTED	BS476 PARTS 6&7
SIZE	5L Only
COLOUR	7,000 available (Pastel only)
NO. OF COATS	2 of a 4 coat system
RECOAT	4-6 Hours



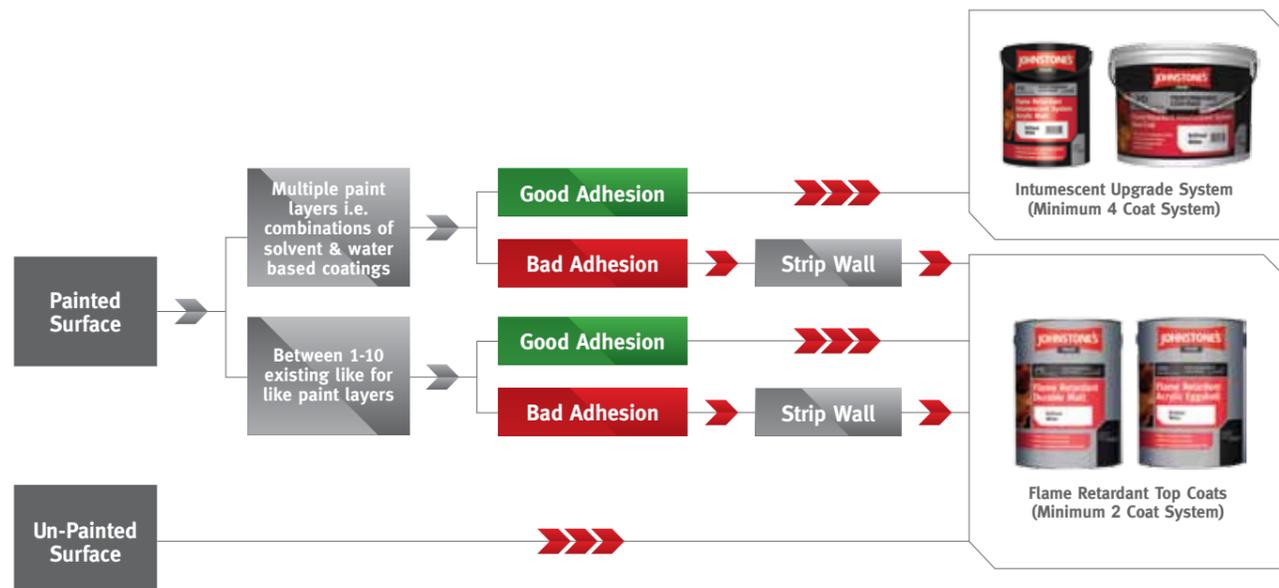


How to Specify Johnstone's Flame Retardant Products



SELECTING THE RIGHT OPTION

Establishing if an existing substrate is sound for redecoration can be both complex and potentially time consuming for the person responsible for the 'Duty of Care'; which is why Johnstone's, a brand within PPG industries - the global leader in surface coatings, has developed a unique service, PPG Extra, to assist in assessing surface type and condition.



MORE THAN JUST PAINT

PPG Extra is a service designed to offer technical advice and guidance in order to identify the most appropriate products for the project at hand.

PPG Extra is a dedicated group of highly experienced technical staff with extensive construction industry expertise.

The PPG Extra specification services include:

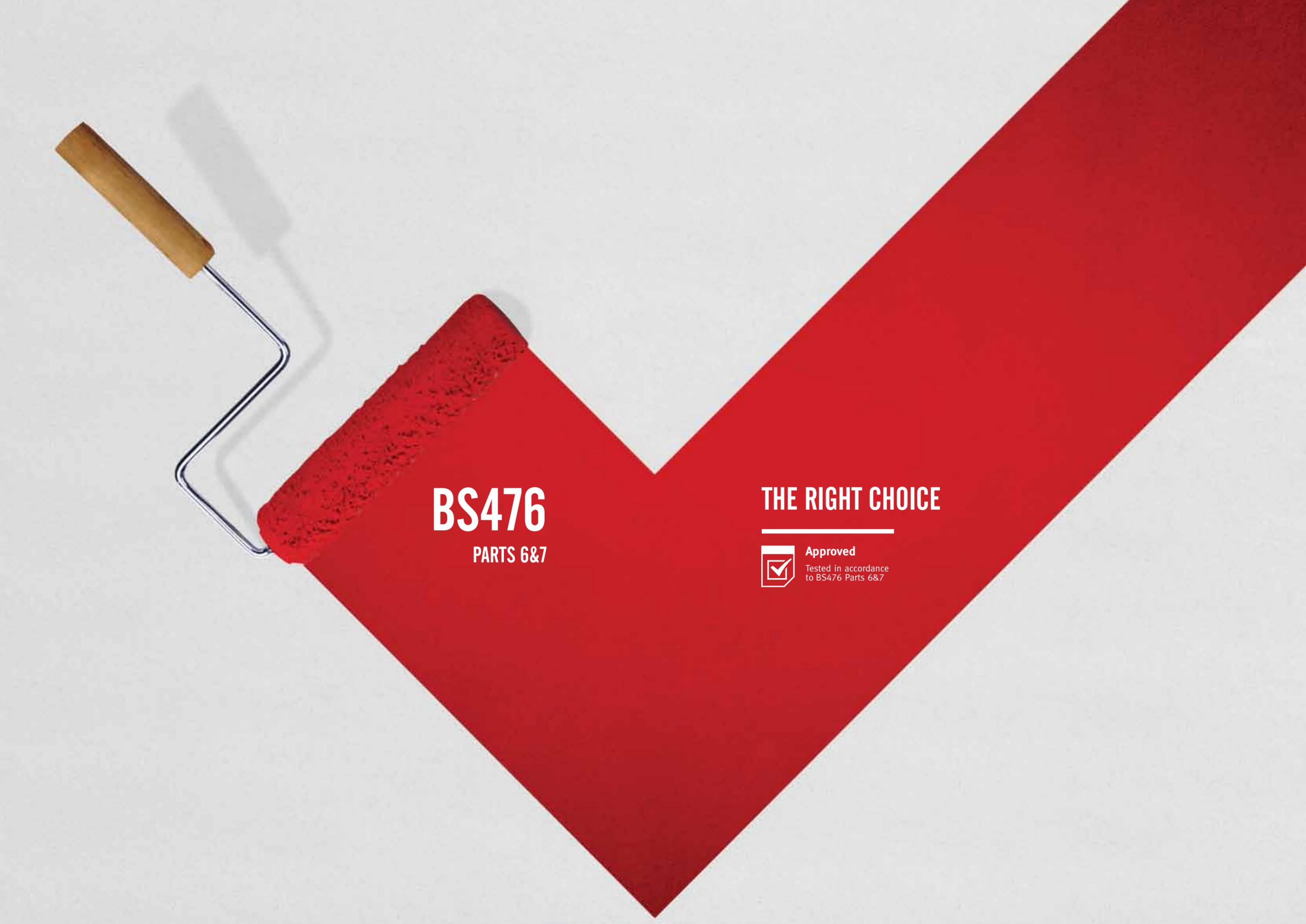
- Full project scope
- On site inspections
- Surface appraisals
- Existing paint layers assessments for condition and adhesion
- Bespoke written project specifications
- Certificates of supply
- Guaranteed quality of service

An on site inspection will comprise a series of assessment based tests. These include the Flake test which is to ascertain the number of layers on a substrate and secondly an Adhesion test which establishes whether existing coatings have good adhesion to the substrate and are therefore suitable for the application of Johnstone's Flame Retardant paints. In the case of existing coatings being deemed to have poor adhesion they will necessitate stripping back to the original surface.

Johnstone's Flame Retardant paints must be used in conjunction with a written technical specification from PPG Extra offering a certificate of supply.

If you require technical information on any of Johnstone's Flame Retardant products, simply telephone PPG Extra on 01924 354945.





BS476
PARTS 6&7

THE RIGHT CHOICE



Approved

Tested in accordance
to BS476 Parts 6&7



**ANY QUERIES PLEASE CONTACT
PPG EXTRA ON**

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