

Product Data Sheet

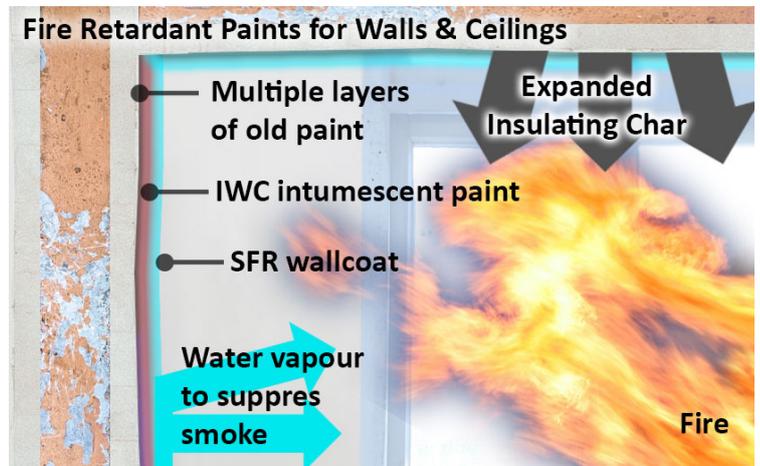
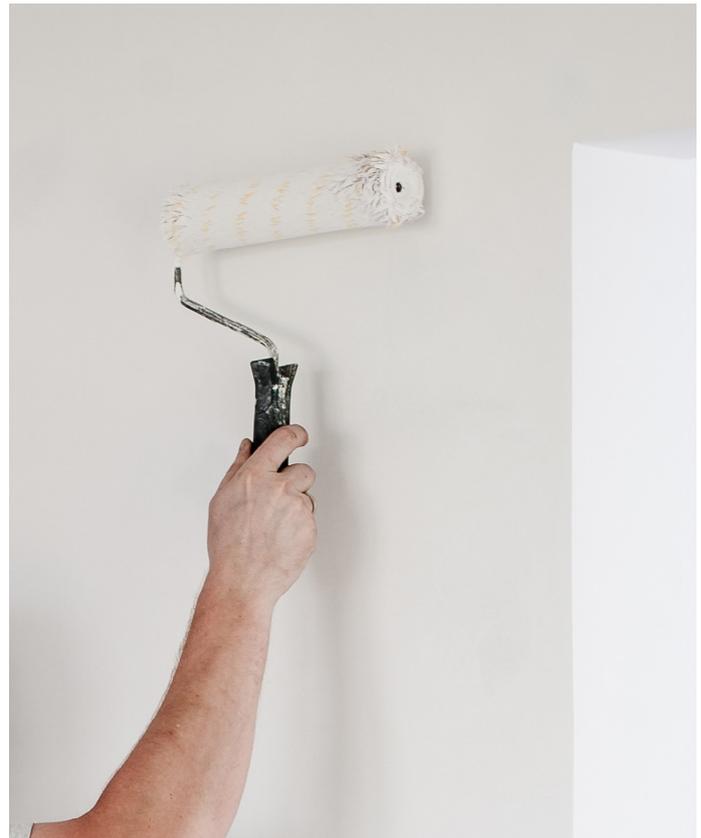
Astro IWC Paint

Revision 5 - 1st April 2021



Astroflame IWC Intumescent Astroflame IWC intumescent paint.

- Anti-virus test standards.
- BS EN Class B s1 d0, officially compliant to old Class 0.
- Reduction of human coronaviruses in just 2 hours in approved ISO 21702.
- Bacteria reduction in 24 hours in ISO 22196 tests.
- Protects from toxic gases & smoke as well as flamespread.
- BS4800, RAL, NCS 5,000+ colours.



For certification and compliance with regulations the manufacturer will supply a Certificate of Supply on request.

Product Description

Astro IWC Paint insulating basecoat expands to create a firm fire-resistant insulation. IWC Paint Anti-Viral Smoke & Flame Retardant emits a non-toxic flame suppression vapour. Just one coat of each provides effective fire protection to the current approved fire standards for all areas including corridors, stairs entrances as well as rooms.

Coronavirus, Influenza & Bacteria

Coronavirus, flu and harmful bacteria remain contagious on emulsion painted walls for weeks. Surfaces coated with Astro IWC Paint's highly concentrated mix of safe, encapsulated nano-particle biocidal metals damage the shells of human coronaviruses and flu and the membranes of bacteria, so their death is greatly accelerated on the surface, they become vulnerable to our antibodies and their spikes ability to penetrate and act as a viral pathway into our lungs is notably reduced.

Anti-Virus Test Standards

Coronaviruses & Bacteria killed fast after they land on walls or wood protected with Astroflame Anti-Microbial SFR

Human coronavirus

91.5% reduction of human coronaviruses in just 2 hours in approved ISO 21702 virus microbiology laboratory coated surfaces tests 16 Dec 2020.

Infectious bacteria

99.9% bacteria reduction in 24 hours in ISO 22196 tests for coated surfaces 5 Feb 2021.

Astro IWC Paint provides permanent protection to supplement rather than replaces good hygiene.

Flamespread & Smoke

The Fire Safety Order 2005 requires property managers to comply with current fire standards for corridors, stairways, entrance lobbies etc.

Multiple layers of incompatible paints can create a surface spread of flame risk from moderate Class 2 to severe Class 4.

Old Class 0 is superseded by BS EN Class B s1 d0 which protects from toxic gases & smoke as well as flamespread (high toxic smoke is s3 or s4, severe flaming droplets is d2 or d3).

Common wall paints pre-2010 contained Timonox antimony to emit antimony-chloride – a flame retardant but highly toxic gas.

Extreme flammability foam insulation which emits cyanide gas is installed in millions of buildings' internal walls and ceilings, creating an even greater need to control flamespread.

Application

- 1 coat Astro IWC Paint Insulating Basecoat
- 1 coat Astro IWC Paint Anti-Viral Smoke & Flame Retardant
- Brush, dense woven pile roller, spray
- Dry lining in critical light apply board's sealer

Finishes, Colours & Sizes

- Available in a BS4800, RAL, NCS 5,000+ colours
- Matt and Satin
- Sold in 25sqm and 100sqm cans to avoid error

To Specify

We are happy to provide specifications and quotations - please use our [Specification Form](#) to ensure we cover all aspects of your fire protection and decorative requirements in our quote. We accept any order size.

Prior to application the contractor should contact the Astroflame Technical Department (see below) to obtain a basecoat application schedule.

For help please speak to the technical team on: Tel: [01329 844 500](tel:01329844500) or Email: sales@astroflame.com

Fire Test Standards

BS EN Class B s1 d0, officially compliant to old Class 0, with full smoke control s1 and no flaming droplets d0 on plasterboard painted with multiple-layers of all types of paint used on buildings' internal walls since 1960.

For certification and compliance with regulations the manufacturer will supply a Certificate of Supply on request.

Durability & Microbial Resistance

High concentration of pure acrylic resin hardener and smoothed with polyurethane avoid microbial safe havens created by all the cheap powders in even the most expensive very matt emulsions, making Astro IWC Paints suitable for areas subject to regular cleaning regimes. Astro IWC Paint's metal-based biocides do not leach out with humidity or during cleaning to provide permanent virus and bacteria protection.

Application Conditions

- Min temp 5°C, Max RH 75, Min 3°C above dew point
- Do not apply if condensation or extra-fast drying possible
- Seal leaching stains with acrylic compatible stain sealer

Installation

We have technical representatives who provide assistance in the selection and specification of the products on this site and should be consulted for exact installation and product suitability. Ensure an early engagement with ourselves, designers, main contractor and specialist installers before any installation. Other trades and/or manufacturers may need to be consulted. For in-depth information, specification and technical advice please call our Head Office on tel [01329 844 500](tel:01329844500) or email sales@astroflame.com

Maintenance

All interested parties, designer, specifier, main contractor and specialist installers should provide access to allow the fire stopping seals to be regularly inspected and maintained, as well as records kept of such maintenance at minimum periods of 12 months, as required by the Regulatory Reform Order, and repaired if necessary. Reference should be made to ASFP TGD 17 – Code of Practice for the Installation and Inspection of Fire Stopping.

Competency

It is vital that those entrusted to design or install a fire stopping product have the necessary levels of competence to undertake the task professionally and thoroughly. The level of competency required will be commensurate with the expected complexity of the building. All designers must eliminate, reduce or control foreseeable risks that may arise during installation, construction or maintenance when preparing or modifying designs. Clients should ensure that the principal designer and principal contractor carry out their duties under CDM regulations. The ASFP foundation course in passive fire protection provides essential knowledge as part of demonstrating competency and understanding in this key fire protection specialism.

Additional Notes

This product can only be supplied once the Paint enquiry form has been completed and approved by the manufacturer: Click the following link to go to the Paint Form: [Specification Form](#)

Health & Safety

The product does not present any known health hazards during or after installation. Normal good industrial and personal hygiene practices should be observed. For further information on health and safety please see the Safety Data Sheets (SDS) or please contact the technical team on: T: [01329 844 500](tel:01329844500) or E: sales@astroflame.com

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