

Trade Name: ASTRO ISS PAINT

## INTUMESCENT PAINT FOR STEEL & CAST IRON

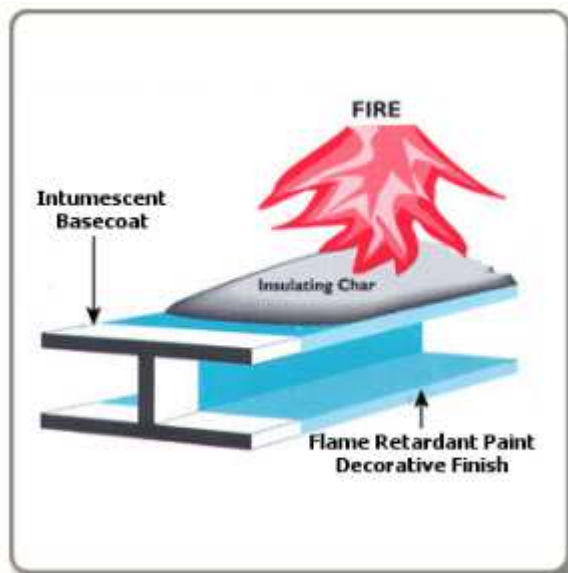
Intumescent Paint for structural steel and cast iron

Conforms to BS476 Part 21: - Fire resistance for load bearing elements of structural steel

Rated for 30 or 60 minutes.

Available in wide range of finishes.

Brush, roller or airless spray application



### Description

ASTRO ISS Paint is an intumescent coating for steel, a thin decorative fireproof paint system providing fire resistance to structural steel and cast iron.

Heat from a fire triggers a catalytic reaction causing intumescence (expansion) of an insulating char layer up to 50 times the paint film thickness. This char keeps the steel below critical temperature to maintain the structural stability of the building.

Fire resistance of ½ hour and 1hour can be achieved with a single application of ASTRO ISS Paint.

### Availability

A range of hard, high quality, weather resistant decorative finishes matches the decor, architectural or historic features of a building while helping to make it a safer structure.

Available in **BS4800, RAL** and metallic colours and a non decorative finish for unexposed areas.

Eggshell..... BS4800 + RAL.  
One-coat gloss..... BS4800 + RAL.  
Metallic..... Steel, gunmetal, rust, silver, gold.  
Non decorative..... N/A - For dry, hidden areas only.

ASTRO ISS Paint is available in 5 kilo and 20 kilo containers

ASTRO FR PAINT (flame retardant topcoat finish) is available in 2.5 and 5 Litre containers.

## To Order & Specify

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We are happy to provide specifications and quotations - please use our [structural steel 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 above) to obtain a basecoat application schedule.

## Fire Tests

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Certificate of Supply upon request for each project for Insurance, Fire and Building Control Authority and Client Records.



## Application

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Steel and cast iron should be free from rust and millscale and primed with ASTRO HBP high build primer 75 microns DFT or other primer compatible with intumescent paints. Galvanized steel or Stainless Steel should be degreased and then primed with a suitable primer.

We recommend the use of airless spray equipment for large areas

Graco 5000 or 7500

Filter size 30 mesh

10mm hose with no whip end

Tip size : 317-319 (6" fan) - Narrow surfaces 417-419 (8" fan) - Broad surfaces

Cleaner: solvent or water depending on paint type.

Max. Relative Humidity **80%**.

Min. Temperature 6°C.

Min. Surface Temperature 3°C above dew point

Max Thickness per coat; brush 600 microns

Max Thickness per coat; spray 2000 microns (S)

Max Thickness per coat; spray 1400 microns (W)

The paint can also be applied by brush or roller.

Minimum drying times:	Brush / Roller	Spray
Surface Dry	2hrs	4hrs
Recoat	4hrs	10hrs
Overcoat with ASTRO FR decorative finish	10hrs	48hrs

## Health and Safety

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Observe all normal health and safety precautions for painting including ventilation, hygiene and masks and protective clothing as appropriate.

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