Product Data Sheet

Astro IFV Varnish (Basecoat)
Astro FVO Varnish (Overcoat)

Revision 2 - June 2018
Astroflame IFV Intumescent fire varnish basecoat

Astroflame IFV Intumescent fire varnish basecoat.

- BS476 Part 7: Class 1 surface spread of flame.
- BS476 Part 6: Fire propagation.
- Designated class 1, 0, & B s2 d0 in accordance with UK Building Regulations.
- Water based clear intumescent with White Spirit based decorative overcoat in Satin or Matt finishes.
- Brush, roller or spray application.

For certification and compliance with regulations we will supply a FREE of charge Certificate of Supply with each order or project.

Product Description

Astroflame IFV Intumescent fire varnish basecoat is part of a fire protection varnish system with the option of a clear or stained finish for Fire Protection of timber and timber derivative substrates. The special formula provides a tough, durable finish to internal and external wood. Clear or stained finishes enhance the natural beauty of the wood while fire protecting new and previously varnished surfaces. 1 coat Astroflame IFV Intumescent fire varnish basecoat plus 1 coat Astroflame FVO overcoat fire varnish clear or 2 coat woodstain. For damp or heavily cleaned areas apply 1 coat External overcoat. For external - 2 coats External.

- Saves Money and Time!
- For class 1, 0, & B s2 d0 – 1 coat basecoat + 1 coat Interior /2 coats exterior Overcoat.
- For 30/60 minutes – 3 coats basecoat + 1 coat Interior /2 coats exterior Overcoat. Contact Technical Dept. T: 01329 844 500 or E: sales@astroflame.com
Available in
20 square metre packs

Intumescent fire protection
When exposed to fire, Astroflame IFV Intumescent fire varnish basecoat expands to create an insulating barrier, protecting timber surfaces from flames, heat and oxygen and suppressing emission of deadly smoke and gasses.

Clear and stained varnish finishes
Astroflame IFV Intumescent fire varnish basecoat is a clear finish which is then overcoated with Astroflame FVO fire varnish overcoat

- Astroflame IFV Intumescent fire varnish basecoat available in 20 sq m
- Clear Fire Varnish Overcoat in 20 sq m + 80 sq m packs Matt or Satin

Specification and application
Prepare and apply –

- 1 coat Astroflame IFV Intumescent fire varnish basecoat
- 1 coat** Astroflame FVO overcoat fire varnish (internal) Clear or Stained

** Fruitwoods and for stained varnish finish - 2 coats Astroflame FVO fire varnish overcoat (internal).

EXTERNAL – 1 coat Astroflame IFV Intumescent fire varnish basecoat, 2 coats Astroflame FVO overcoat fire varnish (external).

Application by painters, decorators and other professional users only. Refer to instructions on Fire Varnish Base & Overcoat containers.
Previously varnished & stained surfaces or wood preservers

Astroflame IFV Intumescent fire varnish basecoat can be applied over firmly adhered standard clear varnish. For existing stained varnishes, stain coatings, old fire coatings or if in doubt, contact Technical Dept.

If preservatives are required, use rapid drying clear non water-repellent grades.***

For tanalised or other preservative treatments, contact Technical Dept.

***Allow adequate time for stain or preservative fluids to escape.

Fire test standards

- BS EN Class B s2 dO **
- Class O *

Note – For 30 or 60 mins Fire Resistance, contact Technical Dept. T: 01329 844 500 or E: sales@astroflame.com

Preparation

Cover, countersink & fill, or use non-ferrous, galvanized, stainless or sheradised fittings.

Ensure surfaces are dry, clean and free of all contamination.

Varnished, sealed or non-porous wood should be abraded thoroughly with 120 grit grade silicone carbide abrasive when dry to provide a good key.

Conditions

During application & drying of the full system

- Ensure surfaces are thoroughly dry – max 18% moisture content.
- Maximum relative humidity RH 75%. Ensure adequate ventilation.
- Minimum air temperature 6°C. Minimum surface temperature 3°C above dewpoint– avoid condensation.

New fire regulations & tests explained

- The new fire standard BS EN test lasts 20 mins. with airflow replaces the old BS 476 tests which lasted 10 mins and strangely restricted airflow.
- The new standard for flamespread and heat release Class B replaces Class O.

The new BS EN tests also monitor –

- Smoke & Gas “s” – s1 + s2 are none or very low & compliant, s3 = moderate smoke, s4 = heavy smoke.
- Flaming Droplets or Airborne particulates – dO is none, d1 = low, d2 = moderate d3 = high levels.

Environmental, health & safety

Astroflame IFV Intumescent fire varnish basecoat clear, Varnish Overcoat matt or satin are water-based. For application by painters, decorators & other professional users.
Quality assurance

All products are manufactured under ISO 9001.

How to Order

Please fill in the online Varnish (Basecoat) Enquiry Form and your order will be processed within 48hrs along with your preferred delivery requirement.

Click here for the Varnish (Basecoat) Enquiry Form >> Varnish (Basecoat) Enquiry Form

Technical Advisory

Estimating, Specification & application advice from Technical Dept T: 01329 844 500 or E: sales@astroflame.com

Disclaimer

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Astroflame FVO Intumescent Fire Varnish Overcoat

Astroflame FVO fire varnish overcoat Intumescent (internal and external).

- BS476 Part 7: Class 1 surface spread of flame.
- BS476 Part 6: Fire propagation.
- Designated class 1, 0, & B s2 d0 in accordance with UK Building Regulations.
- Water based clear intumescent with White Spirit based decorative overcoat in Satin or Matt finishes.
- Brush, roller or spray application.

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Product Description

Astroflame FVO fire varnish overcoat Intumescent (internal and external) is a part of a varnish system with the option of a clear, tinted or stained finish for Fire Protection of timber and timber derivative substrates. The special formula provides a tough, durable finish to internal and external wood. Clear or stained finishes enhance the natural beauty of the wood while fire protecting new and previously varnished surfaces. Astroflame FVO fire varnish overcoat Intumescent (internal and external) matt or satin provides protection against UV and wear.

**internal**
- Matt or Satin
- Clear 1 coat over basecoat
- Woodstain 1 or 2 coats over basecoat
- Always Provide adequate ventilation

**external**
- Matt or Satin
- Weather & UV resistant overcoat
- Clear or woodstain 2 coats over basecoat
- Always Provide adequate ventilation
Available in

20 & 80 square metre packs

**Intumescent fire protection**

When exposed to fire, Astroflame FVO fire varnish overcoat Intumescent (internal and external) expands to create an insulating barrier, protecting timber surfaces from flames, heat and oxygen and suppressing emission of deadly smoke and gasses.

![Intumescent Fire Varnish](image)

**Clear and stained varnish finishes**

Astroflame FVO fire varnish overcoat Intumescent (internal and external) are available in Clear, Stained Varnish, Matt or Satin

- Astroflame IFV Intumescent fire varnish basecoat available in 20 sq m
- Clear & Stained Fire Varnish Overcoat in 20 sq m + 80 sq m

**Specification and application**

Prepare and apply –

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