

# ZENOVA FP

FIRE PROTECTION PAINT



Protection | Tested | Compliant | Safe

[www.zenovagroup.com](http://www.zenovagroup.com)



# Technology working to protect you from fire

## PROVIDING PROTECTION WITH MINIMAL APPLICATION

The number one intumescent paint on the market, Zenova FP is a heat-resistant, water-based paint that prevents the ignition and spread of fire. As a result of being exposed to heat, the intumescent paint swells and creates a light char foam, increasing in volume and decreasing in density. The heat transfer from the flames to the substrate is thereby greatly diminished. Treated materials become isolated from elements that maintain fire combustion since the paint turns into an insulating protective membrane.

One primer coat and only 1.3mm of Zenova FP, to comply with BS 476 part 22, will protect a variety of substrates and products such as wood, metal, polyurethane foam, and GRP phenolic foam filled fire doors from fire damage should a fire occur within a building. Zenova FP will provide suitable passive fire protection to any surface it is applied to, minimising financial loss and offering peace of mind.





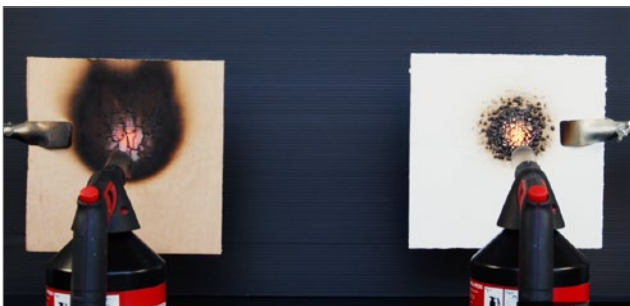
# Flexible uses for protecting your assets

## SAVING THROUGH INNOVATION

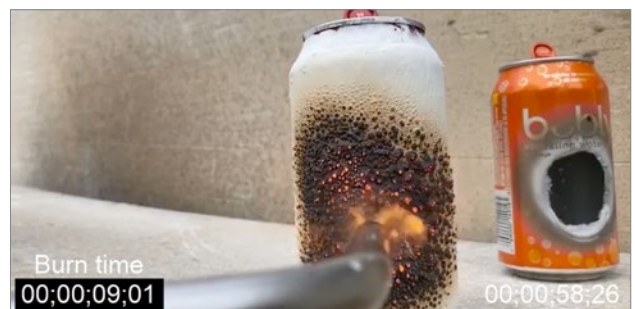
Suitable for a number of applications in many sectors from Construction to Automotive to Oil & Gas, Zenova FP can easily and quickly upgrade the fire rating of any substrate it is applied to.

As an example, during an independent fire test conducted by Warringtonfire as per BS 476 part 22, Zenova FP was applied in a retrofit test to an existing composite plastic front door set sprayed at just 1.3mm of thickness. This test was conducted to determine the cost-saving viability of painting the doors with Zenova FP vs. replacing with new doors.

The test demonstrated that the existing door reached 55 minutes without penetration of flame or excessive heat, which concluded that the addition of Zenova FP satisfactorily and greatly improved the longevity and integrity of the door.



Wood exposed to fire, with and without Zenova FP applied.



Can exposed to fire, with and without Zenova FP applied.



## **? ZENOVA FP FAQ**

- **Has Zenova FP been lab tested/verified?**

Zenova FP has been independently lab tested to meet or exceed the requirements of BS EN 13501 - "Fire classification of construction products and building elements. Classification using data from reaction to fire tests."

- **How exactly does Zenova FP protect from fire?**

When high levels of heat (i.e. flames) come in contact with Zenova FP the paint reacts by transforming into a char which looks like a carbonised foam. This foam further expands (swells) and acts like an insulating layer and reduces the transmission of heat into the substrate. Furthermore, the release of water vapour helps to cool the substrate.

- **When properly applied, how long will Zenova FP protect a substrate from the spread of fire?**

Our tests have shown that Zenova FP offers significant fire protection to various substrates for over an hour on highly flammable materials such as wood and plastics.

- **Are there any transportation or storage requirements?**

The product does not require special transportation and storage conditions. Keep out of direct sun during transportation and storage. The temperature range for transportation and storage is 5 - 40 degrees Celsius.

- **Is the primer mandatory for Zenova FP?**

Zenova FP primer is recommended on all surfaces prior to applying Zenova FP.

- **Is there a specific primer thickness?**

No, only a thin layer of primer is needed with primer consumption of 50-100g/m<sup>2</sup>.



# Reasons to use Zenova FP

- Protects people, property, and pets
- Compartmentalizes accidental fires to stop them from spreading to highly combustible items
- Limits damage caused by vehicle fires (electric and combustion engines)
- Keeps apartment fires contained to the unit where the fire starts
- Easy-to-apply passive fire safety

## ★ FEATURES

- Efficient, simple fire protection
- Easy and fast application with a short drying time
- Minimizes the emission of harmful gas or smoke during a fire by protecting the substrate
- ISO 9001 quality production
- Available in any colour on request
- Environmentally friendly

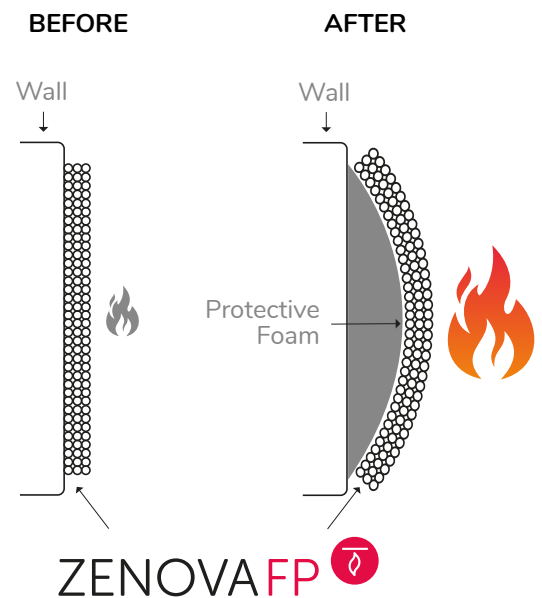
## ◆ BENEFITS

- Provides cost-effective fire protection and code compliance for any substrate
- Protects a variety of substrates such as wood, metal, polyurethane foam from fire damage in the event of an accident
- Provides peace of mind, knowing that materials will not burn
- Can minimize financial loss in the event of a fire

## Testing

Zenova FP has been independently tested to the following standards by multiple accredited testing agencies. (Reports available for download from the website.)

- BS 476:22
- BS EN 13823 (SBI): 2020
- UL 723
- CAN/ULC S102
- BS EN 11925-2



## Now, more than ever, Zenova FP is needed to protect from the spread of fire.

You see it in the news all the time, more and more often. Tragedies from fire happen more often now because today's materials are more flammable and produce more toxic black smoke than ever before. Think of the home your grandparents lived in. Solid building materials, solid furniture. Not mass-produced with resins and plastics and man-made materials like today.

This is why we've created Zenova FP, to add the maximum level of passive fire protection to any structure it is applied to.

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### UK HEAD OFFICE

[uk@zenovagroup.com](mailto:uk@zenovagroup.com)

+44 (0)1277 288314

101-135 Kings House  
Kings Road, Brentwood  
Essex CM14 4DR  
United Kingdom

### CANADA OFFICE

[canada@zenovagroup.com](mailto:canada@zenovagroup.com)

+1.250.792.5210

300 March Road,  
4th Floor, Kanata,  
Ottawa, K2K 2E2  
Canada

### JAPAN OFFICE

[japan@zenovagroup.com](mailto:japan@zenovagroup.com)

+81907183174

#2F Ginza, Otake,  
Bijidensu1-22-11  
Ginza, Chuo-ku,  
Tokyo-to 104-0061, Japan