

# PYROPLAST®

FIRE PROTECTION FOR WOOD

**SHERWIN  
WILLIAMS®**



## PYROPLAST® INTERIOR WOOD FIRE PROTECTION SYSTEMS

**Wood is a natural building material with a multitude of uses. However, it is easily flammable and requires effective means of protection especially when used in public buildings.**

Pyroplast® fire protection systems can inhibit or delay inflammation on the surface and the spread of fire. The sustainable fire coatings combines highest protection with aesthetic advantages. Although the coating is so thin it does not conceal the natural beauty of the wood.

Sherwin-Williams has performed an extensive programme of approval tests according to EN standards for several years. All our Pyroplast® fire protection coatings are CE-certified and usable in accordance with the latest European requirements, directives and standards.



**DEMONSTRATION OF  
HOW INTUMESCENT  
FIRE PROTECTION  
COATINGS WORK**



**FROM SPEC TO PROTECT**

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# PYROPLAST® FIRE PROTECTION SYSTEMS FOR WOOD

Pyroplast fire protection systems for wood are characterised by low material consumption in addition to simple application. They are also non-statically loading and are classified according to EN 13501-1, B-s1-d0.



## PYROPLAST® WOOD T with topcoat Pyroplast® Wood Top T

The waterborne coating is suitable for indoor use and impresses by:

- High transparency
- VOC < 500 g/l
- Economy



## PYROPLAST® WOOD P optional topcoat Pyroplast® Top WB (for colour variety)

Ideally suited to areas of application where a high-quality colour design is particularly important:

- Waterbased pigmented coating system
- Individual coloration
- VOC without topcoat 0 g/l;  
VOC with topcoat approx. 48 g/l





## CASE STUDIES

### AIRPORT CHARLES DE GAULLE IN PARIS

The airport, named after the French general and statesman Charles de Gaulle, is the international hub of Air France and the largest international airport of the French capital city, Paris.

Coated with transparent fire protection coating Pyroplast® Wood T about 60,000 m<sup>2</sup> of wood surfaces provides fire protection that is important in airports, and at the same time enhances the natural appearance of the ash veneer used there.



© Aéroports de Paris/Cyrille Dubreuil

### INTERNATIONAL MARITIME MUSEUM IN HAMBURG

3000 years of maritime history are on show on nine exhibition decks in the international maritime museum, with valuable exhibits, models of ships and paintings. The listed Quayside Warehouse B tells of discoverers and conquerors, from captains to simple sailors. One of the decks is dedicated to the exploration of the seas.

The 10,000 m<sup>2</sup> wooden surface area was protected with a water based intumescent coating that enhances the classic appearance of wood in exhibition areas with its high transparency.



### ‘HOUSE OF THE FARMERS’ IN FRIBOURG

The solid wood office building with its glazed shell is a showpiece of sustainable construction and the head office of the Agricultural Association of Baden (Badischer Landwirtschaftlicher Hauptverband – BLHV). With office space of 2,500 m<sup>2</sup> and 1,700 m<sup>3</sup> of pinewood, the electrical systems and water pipes are among the few parts of the building that are not made of wood. A total of 3,500 m<sup>2</sup> were coated with Pyroplast® Wood T for protection against fire.



## OUR COMPETENCE

In the development and production of our intumescent coatings we focus on high quality and sustainable solutions focused on the success of our costumers and the safety of people, buildings and the environment. Every batch of our fire protection coatings is fire tested before use.

### WHEN EVERY SECOND COUNTS:

FIRETEX®, Unitherm® and Pyroplast® fire protective coating systems for

#### STEEL



#### WOOD



#### CONCRETE



### CORROSION PROTECTION – PROVEN AND INNOVATIVE

In addition to fire protection, we are a trusted resource for the highest requirements in corrosion protection for many decades. With world-class industry subject matter expertise, unparalleled technical and specification service and unmatched regional commercial team support to our customers around the globe, we offer high-performance coating systems to help customers achieve smarter, time-tested asset protection.

We serve a wide array of markets across our rapidly growing international distribution footprint, including

- Steel structures
- Tank protection and chemistry
- Hydraulic steel structures
- Power supply
- Infrastructure
- Wind power

### THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams Protective & Marine delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe. Our broad portfolio of high-performance coatings and systems - including protective liquid and powder, fire protection and resinous flooring - excel at combating corrosion and help customers achieve smarter, time-tested asset protection. We serve a wide array of markets across our rapidly growing international distribution footprint, including Bridge & Highway, Energy, High Value Infrastructure, Manufacturing & Processing, Marine, Rail, Power and Water & Wastewater.

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