

WOOD COATINGS

# FURNI FIRE PRO

## SHERWIN-WILLIAMS FIRE RETARDANT SYSTEM

FURNI BASE FIRE PRO  
FURNI CLEAR FIRE PRO

**SHERWIN-WILLIAMS®**

[wood.sherwin.eu](http://wood.sherwin.eu)



## EXCELLENT PERFORMANCE ON SAFETY AND FINISH

European legislation is continuously improving regulations of fire safety in buildings. Part of the regulations refers directly to building materials used in construction and coverings. Depending on placing and role, different elements of a building must fulfil certain fire classification. Producers of wall panels, ceilings and fixed carpentry have to test their products for fire safety. They have to fulfil strict levels of reaction to fire described in European norm EN13501-1. Wood and wood-based panels are classified as products that have a contribution to fire (class D). They demand special treatment to achieve "very little contribution to fire" (class B) which is a demand for example in public buildings.

Sherwin-Williams developed a lacquer system which allows upgrading wood-based substrate from class D to class Bs2d0 - according to EN13501-1 norm. To meet these strict regulations the lacquer system has passed a classification test on 20mm thick D-class MDF.

The system is giving a possibility of achieving a very transparent clear coat, or when tinted, can be used as a fully opaque finish. Safety performance and finish performance come together perfectly in a precisely developed fire retardant lacquer system by Sherwin Williams.

### IMPORTANT

According to legislation, a final product is to be certified against reaction to fire. This means that a producer of cladding or wall panels must test their own product, as many aspects can influence the final result (*surface preparation, glues, thickness, construction and even direction of mounting*).

FEATURE	BENEFIT
Fire retardant	Upgrading to Bs2d0 according to EN13501-1
High transparency	Very transparent effect even on dark substrates
High build and good sanding properties	Behaves like a regular PU system
Possibility of tinting to achieve opaque finish	One product can be used as a clear sealer, and after tinting, as a pigmented basecoat

TESTED BY **L.S.Fire**  
TESTING INSTITUTE

ACCORDING TO PROCEDURES DEFINED IN EN 13501-1:2018

#### Classificazione / Classification

Classificazione di reazione al fuoco: Reaction to fire classification:	<b>B - s2, d0</b>
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The systems consist of a 2 component basecoat - which can be used clear or coloured with pigment pastes - and a 2 component clear topcoat.

To achieve an opaque finish the basecoat can be tinted with up to 3% TZ4109-xxxx pastes.

Furni Base Fire Pro can also be used as a regular clear tinting base.

APPLICATION SYSTEM (CLEAR):				
PRODUCT NAME	PRODUCT CODE	COVERAGE	DRYING TIME	COMMENTS
<b>FURNI BASE FIRE PRO</b>	<b>RL4333</b> + 40% TV4229	2 coats 200-250 g/m <sup>2</sup> each	3-6 h between coats 24 h before sanding of the 2nd coat.	All application amounts must be strictly kept to secure fire retardant properties.
<b>FURNI CLEAR FIRE PRO</b>	<b>RM4601-00XX</b> + 10% RV4640	1 coat 60-80 g/m <sup>2</sup>	Dust free - 60 min Touch dry - 120 min Stackable - 24 h	Available in 2 glosses. - <b>RM4601-0003</b> - gloss 3 - <b>RM4601-0025</b> - gloss 25

APPLICATION SYSTEM (PIGMENTED):				
PRODUCT NAME	PRODUCT CODE	COVERAGE	DRYING TIME	COMMENTS
<b>FURNI BASE FIRE PRO</b>	<b>RL4333</b> +40% TV4229	2 coats 250-300 g/m <sup>2</sup> each	3-6 h between coats 24 h before sanding of the 2nd coat	All application amounts must be strictly kept to secure fire retardant properties. Max. pigmentation: 3% TZ4109-xxxx (max.0,5% black)
<b>FURNI CLEAR FIRE PRO</b>	<b>RM4601-00XX</b> + 10% RV4640	1 coat 60-80 g/m <sup>2</sup>	Dust free - 60 min Touch dry - 120 min Stackable - 24 h	Available in 2 glosses. - <b>RM4601-0003</b> - gloss 3 - <b>RM4601-0025</b> - gloss 25

*Values and content will change depending on Technology and Segment.*

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## **SHERWIN-WILLIAMS – YOUR COATING SOLUTIONS PARTNER**

The Sherwin-Williams Company (SHW), through its Performance Coatings Group Division, is an industrial coatings leader that delivers local finishing solutions on a global scale to OEMs and tier suppliers.

Comprised of coatings professionals dedicated to providing unparalleled customer support, Sherwin-Williams brings value to the finishing process through solutions like on-site technical assistance, customized products, colour and design services, and process improvement expertise.

With innovative liquid and powder coating technologies to protect wood, metal and plastic, as well as finishing equipment and supplies needed for coatings application, Sherwin-Williams utilizes an infrastructure spanning six continents to provide better finishing solutions for manufacturers.

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Since 1866, Sherwin-Williams has provided manufacturers and finishers with the coatings they need to make their products look better and last longer, while helping their operations meet productivity and sustainability goals. For the industrial wood and market, our innovative solutions go beyond coatings to include knowledge, tools, equipment, supplies, and industry-leading support. We're more than a coatings provider – we are Your Coating Solutions Partner.