

FURNI FIRE PRO

UPGRADED
FIRE
RETARDANT
SYSTEM TO
Bs1d0

SHERWIN-WILLIAMS FIRE RETARDANT SYSTEM

FURNI BASE FIRE PRO
FURNI CLEAR FIRE PRO

SHERWIN-WILLIAMS®

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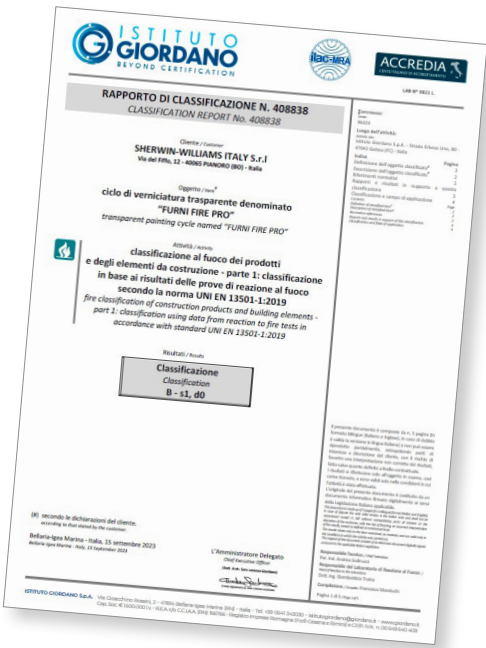
UPGRADED FIRE RETARDANT SYSTEM TO Bs1d0

Sherwin-Williams are happy to announce that we have developed a solvent based fire retardant lacquer system which **upgrades a D-class substrate to Bs1d0** according to EN13501-1 norm. It has passed a classification test on 15mm thick D-class MDF with oak veneer.

The system consists of a 2-component basecoat which can be used as clear or coloured with pigment pastes, as well as a 2-component clear topcoat.

To achieve an opaque finish (Bs2d0), the basecoat can be tinted with up to 3% TZ4109-xxxx pastes.

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



COMPONENTS OF THE SYSTEM

PRODUCT NUMBER	PRODUCT NAME	COMPONENT
RL4333	Furni Base Fire Pro	Clear Basecoat. Can be tinted.
TV4229	Hardener for RL4333 (40%)	Hardener
RM4601-0003	Furni Clear Fire Pro 03	Clear top coat (not for tinting)
RM4601-0025	Furni Clear Fire Pro 25	Clear top coat (not for tinting)
RV4640	Hardener for RM46-00xx (10%)	Hardener
NT019	Thinner	Up to 20%

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*).

FEATURES & BENEFITS

FEATURE	BENEFIT
Fire retardant	Upgrading to Bs1d0 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



CLEAR SYSTEM

APPLICATION SYSTEM (CLEAR):				
PRODUCT NAME	PRODUCT NUMBER	COVERAGE	DRYING TIME	COMMENTS
FURNI BASE FIRE PRO	RL4333 + 40% TV4229	2 coats 200-250 g/m ² 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.
FURNI CLEAR FIRE PRO	RM4601-00XX + 10% RV4640	1 coat 60-80 g/m ²	Dust free – 60 min Touch dry – 120 min Stackable – 24 h	Available in 2 glosses. - RM4601-0003 – gloss 3 - RM4601-0025 – gloss 25

PIGMENTED SYSTEM

APPLICATION SYSTEM (PIGMENTED):				
PRODUCT NAME	PRODUCT NUMBER	COVERAGE	DRYING TIME	COMMENTS
FURNI BASE FIRE PRO	RL4333 +40% TV4229	2 coats 250-300 g/m ² 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)
FURNI CLEAR FIRE PRO	RM4601-00XX + 10% RV4640	1 coat 60-80 g/m ²	Dust free – 60 min Touch dry – 120 min Stackable – 24 h	Available in 2 glosses. - RM4601-0002 – gloss 2 - RM4601-0025 – gloss 25

CLASSIFICATION

EN13501-1: B s1 d0 class on veneered 15 mm D-class MDF
B s2 d0 class- pigmented system on 20 mm D-class MDF

Note: Reaction to fire may vary due to many different parameters (i.e., glue, substrate shape, thickness, mounting method, air gap etc.), according to EN13501-1.

A classification EN13501-1 is given to a final product, for example wall panel or other element finished with a coating system. It means that the final product is to be tested to get a classification and use the “CE” mark.

Values and content will change depending on Technology and Segment.

WOOD COATINGS

FURNI FIRE PRO

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.

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 markets, 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.