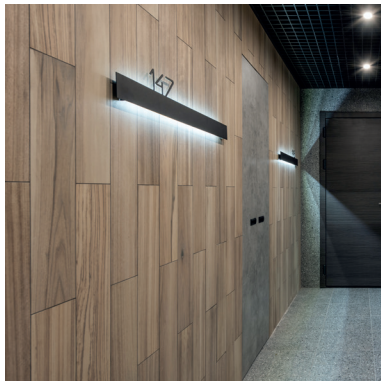




# FIRE RETARDANT COATING SYSTEMS CLASS B





Fire safety in buildings is extremely important. The European legislation is therefore continuously improving and strengthening regulations, referring directly to building materials that must correspond to a certain fire classification.

The fire retardant coatings for wood combine fire protection with excellent aesthetic results.

To meet the strict EU regulations on fire safety of building materials, **Sayerlack developed a spray coating system which allows to upgrade wood-based substrates from class D** (which is the typical rating for wood) **to class B**, demanded for example in public buildings.

The system can be applied as a very transparent clear coat or, when tinted, as a fully opaque finish. Safety performance and finish performance in perfect harmony!

One of the application fields of Sayerlack coatings are all types of wall panels and fixed carpentry elements, for which a strict fire class demand is defined, depending on type and function of a building.

| FEATURES  | BENEFITS   |
|---|--|
| Fire retardant                                  | Upgrading to Class B 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 | The basecoat can be used as clear sealer or, after tinting, as a pigmented undercoat |

#### TESTED BY



#### ACCORDING TO PROCEDURES DEFINED IN EN 13501-1:2018

*Classification: B - s2, d0*  
*Standard non-fireproof MDF panel. Thickness 20 mm.*  
*Clear and pigmented coating systems*

#### TESTED BY



#### ACCORDING TO PROCEDURES DEFINED IN EN 13501-1:2019

*Classification: B - s1, d0*  
*MDF panel, density 620 kg/m<sup>3</sup> and thickness 15 mm, veneered with oak 4/10 by urea glue.*  
*Clear coating system*

#### IMPORTANT!

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



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The systems consist of a 2K basecoat - which can be used clear or coloured with the Sayerlack pigmented pastes - and a 2K clear topcoat.

The basecoat can be tinted with the pastes of series TP2009 up to to 3% to achieve an opaque finish.

## APPLICATION SYSTEM - CLEAR:

| Product Name          | Product Code                        | Coverage                                 | Drying Time  | Notes   |
|-----------------------|-------------------------------------|--|--|---|
| <b>Resy Base IGF</b>  | <b>FU0303/00</b><br>+ 40% TH0784/00 | 2 coats<br>200-250 g/m <sup>2</sup> each | 3-6 hours between coats,<br>24 hours before sanding<br>of 2nd coat | All application amounts<br>must be strictly kept<br>to secure the fire<br>retardant properties. |
| <b>Resy Clear IGF</b> | <b>FZ10xx/00</b><br>+ 10% FH0004/00 | 1x 60-80 g/m <sup>2</sup>                | Dust free: 1 hour<br>Touch dry: 2 hours<br>Stackable: 24 hours     | Different gloss levels<br>available.  |

## APPLICATION SYSTEM - PIGMENTED:

| Product Name          | Product Code  | Coverage                                 | Drying Time  | Notes   |
|-----------------------|---|--|--|---|
| <b>Resy Base IGF</b>  | <b>FU0303/00</b><br><br><i>Pigmentation:</i><br>maximum 3% with<br>TP2009/XX (maximum<br>0.5% for black color)<br><br>+ 40% TH0784/00 | 2 coats<br>250-300 g/m <sup>2</sup> each | 3-6 hours between coats,<br>24 hours before sanding<br>of 2nd coat | All application amounts<br>must be strictly kept<br>to secure the fire<br>retardant properties. |
| <b>Resy Clear IGF</b> | <b>FZ10xx/00</b><br>+ 10% FH0004/00   | 1x 60-80 g/m <sup>2</sup>                | Dust free: 1 hour<br>Touch dry: 2 hours<br>Stackable: 24 hours     | Different gloss levels<br>available.  |

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

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