

Excellent fire protection and production efficiency for wooden facade elements

# THE COMPLETE FIRE-RETARDANT SYSTEM

**sikkens**  
WOOD COATINGS

*Passion for wood*

**NEW**

Fire-retardant primer  
RUBBOL® WP 112 FR  
and a selection of top coats

**AkzoNobel**



### Production efficiency

RUBBOL® WP 112 FR has outstanding flow, filling and levelling properties. The fast-drying coating is suitable for airless and air-assisted high-pressure spraying in a productionline environment. No additional investment in special spraying equipment is required. It is also suitable for application with brushing machines at lower drying conditions. With a maximum VOC rating of 50g per litre, the water-borne primer also qualifies as a low-emissions solution.

### 29% less primer required

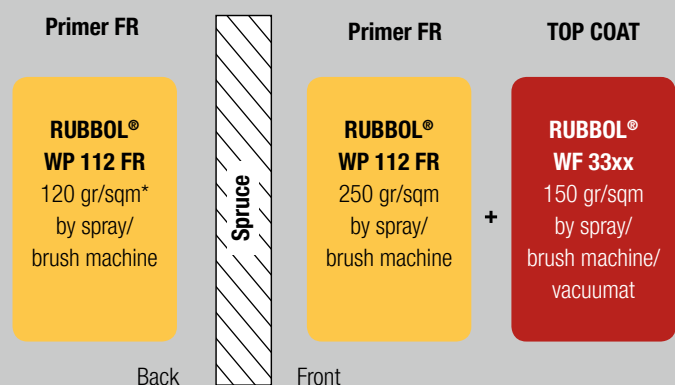
Thanks to its excellent application properties, as little as 250g of RUBBOL® WP 112 FR per square metre is needed to achieve fire retardance. This means 29% less primer is required than is the case with comparable products.

### Under 2 hours drying time

In terms of drying time as well, RUBBOL® WP 112 FR represents a huge improvement in efficiency, requiring only 1–2 hours before application of a top-coat as opposed to more than 12 hours needed by a competitor product. This means 84% less drying time! The primer also offers good in-can stability, with no sediment forming when stored over extended periods.

## System structure

To meet fire safety standards, the system must be applied as illustrated below on a spruce substrate with a thickness of 19mm or more.



### Certifications

Substrate	Primer	Top coat	Fire resistance class, tested according to EN 13501-1	Fire resistance / Ignition test according to EN 13501-2	Durability according to EN 16755
Spruce, min 19mm	RUBBOL® WP 112 FR 250 g/m <sup>2</sup>	RUBBOL® WF 33XX 150 g/m <sup>2</sup>	B-s2, d0	passed	passed

\*depending on country

# Protection for the home

The key component of our fire protection system is an exceptionally effective fire-retardant primer. Used according to instructions, the system provides cost-effective and long-lasting fire resistance for wooden facades.



## RUBBOL® WP 112 FR

Waterborne off-white base coat for exterior facade elements made of spruce.



**Delivery method:** Waterborne

**Type of binder:** Acrylate



**Application:** Spray application / brush machine

**Area of use:** Wooden facade elements

### Colour shade

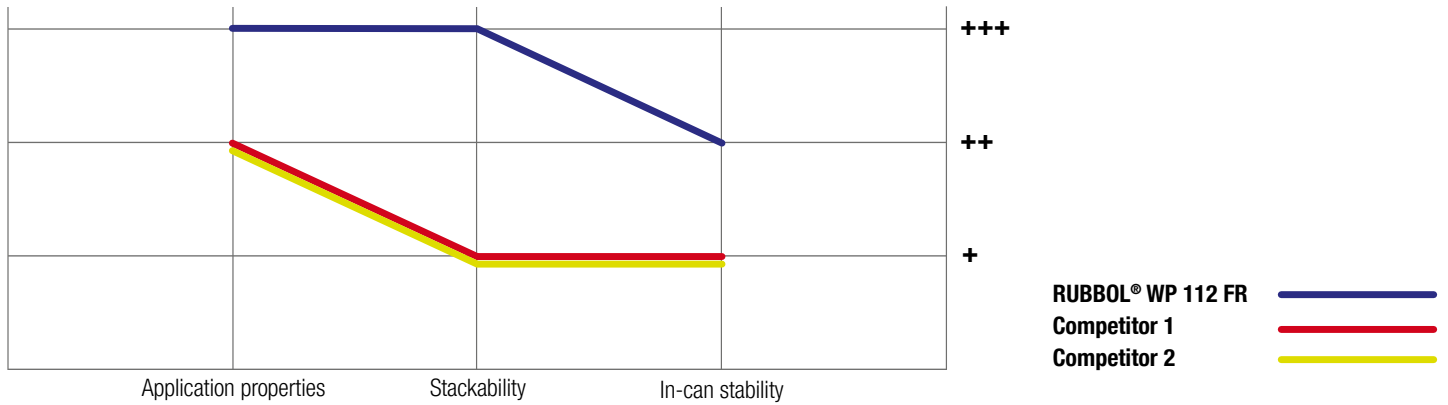
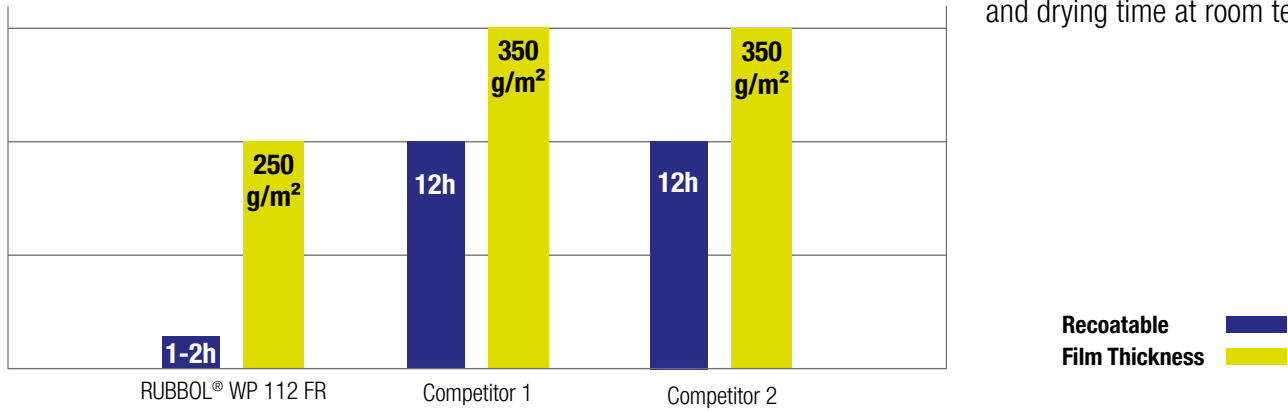
Off-white

### Pack size

20 l

# Product performance by comparison

Benchmarking of applied quantity and drying time at room temperature



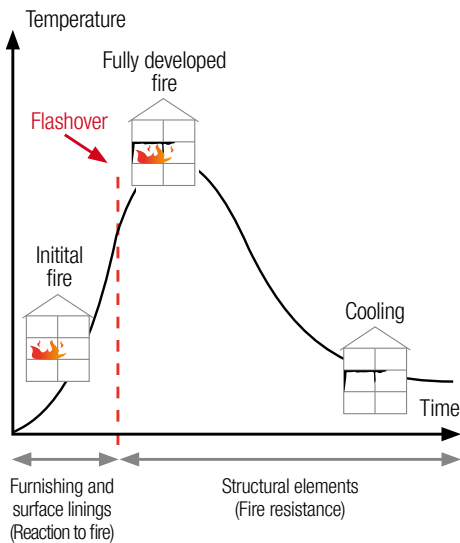
## Fire-retardant training

To better enable cladding manufacturers to take full advantage of the extraordinarily effective and efficient fire-retardant system, Sikkens Wood Coatings organises training seminars. Please speak with your regional sales representative to find out more.

**Special Support**

# A new fire-retardant system for lasting beauty and fire resistance

Wooden cladding is an attractive and modern finish for high-quality buildings of various types, yet the high combustibility of wood can raise concerns. In public buildings as well as private homes, fire protection is becoming more and more important. Our fire-retardant system provides the solution. The new off-white sprayable and brushable primer RUBBOL® WP 112 FR in combination with one of the RUBBOL® WF 33xx top coats not only enables spruce facades that comply with EU fire resistance regulations, it also allows beautiful, high-quality finishes.



## Strict test parameters

Fire testing aims to determine three critical aspects of a material's behaviour: reaction to fire, ignitability and durability. Reaction to fire refers to how a material or system contributes to fire development and spread, particularly in the very early stages of a fire when swift and calm evacuation is crucial. This is critical for cladding and panels. Ignitability indicates the ability of a material or system to resist – and ideally prevent – catching fire. This is a key factor in constructions. Durability refers to the capacity of a system to maintain its specifically fire-retardant properties over time.



## Approved for fire retardance

Specially engineered for outstanding fire retardance without compromising appearance, our system using RUBBOL® WP 112 FR as primer and finished with one of the RUBBOL® WF 33xx top coats is approved in Europe in line with the norms EN 13501-1 (reaction to fire), 13501-2 (ignitability) and EN 16755 (durability). It is also approved according to the cladding fire test SP Fire 105. The approval stipulates fire resistance for non-fire approved spruce substrate at a minimum thickness of 19mm.



This system is **classified as B**, the highest fire-retardant rating that can be expected for an organic material like wood. In terms of smoke production, the system is rated **s2**. The fire retardant system received the best possible score, **d0**, for zero formation of burning droplets.

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AkzoNobel has a passion for paint. We're experts in the proud craft of making paints and coatings, setting the standard in color and protection since 1792. Our world class portfolio of brands – including Dulux, International, Sikkens and Interpon – is trusted by customers around the globe. Headquartered in the Netherlands, we are active in over 150 countries and employ around 34,500 talented people who are passionate about delivering the high-performance products and services our customers expect.

For more information please visit  
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