



Intumescent Coat

Water-based, transparent fireproof coating that forms an insulating layer



Colour	Availability	
	Quantity per pallet	16
	Size / Quantity	25 kg
	Type of container	Tin bucket
	Container code	25
	Art. no.	
clear	2157	■

Application rate	<p>≥ 300 g/m² on solid wood, solid wood boards, veneered laminated wood and flat pressed chipboard (d ≥ 12 mm each)</p> <p>≥ 350 g/m² on solid wood and solid wood boards (d ≥ 10 mm up to < 12 mm each) (one to two coats)</p>
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Range of use



- Interior wood
- Solid wood panels: density ≥ 420 kg/m³, thickness ≥ 10 mm
- Wood-based panels: density ≥ 600 kg/m³, thickness ≥ 13 mm
- Veneered plywood for construction purposes according to the norm DIN EN 13986 with a fire behaviour of at least class D-s2,d0, with a bulk density of ≥ 450 kg/m³ and a thickness of ≥ 12 mm
- Roof structures, wall and ceiling cladding
- Schools, restaurants, hospitals, residential and office buildings
- Not for use outdoors or in indoor areas with constantly high relative humidity (above 70%), or on areas subjected to mechanical loading (doors, windows, floors, furniture etc.)
- For use by professionals

Property profile



- Slows down the spread of fire and reduces the smoke development as well as the flammability of the substrate
- A heat-insulating layer is formed in the event of a fire
- Water-based

Characteristic data of the product

Density (20 °C)	Approx. 1.32 g/cm ³
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The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- [General building inspectorate approval DIN EN 13501-1](#)

Additional information

- [Übereinstimmungserklärung](#)

Possible system products

- [Protective Sealer \(2155\)](#)

Preparation

- Substrate requirements
The substrate must be clean, dry, free of dust, grease and loose substances, and prepared in the correct manner. Wood moisture content max. 15%
- Substrate preparation
Fully remove any existing old coatings.
Thoroughly wash down resin-rich and oily woods with V 101 Thinner immediately before coating.
In the event of wetting difficulties, rub the surface down thoroughly.



Directions



Stir well.
Apply with a brush, roller or by spraying.
Airless spraying: nozzle size: 0.33 mm, material pressure: 80 - 100 bar.
Airmix spraying: nozzle size: 0.33 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.5 - 2.0 bar
Repeat the process if necessary.
Seal opened containers well and use contents as soon as possible.

Tips on use



Check colour, adhesion and compatibility with the substrate by setting up a trial area.
Wood components must be coated on all sides if they are not affixed over their entire surface to a solid, mineral substrate.

- **Drying**
Dust-dry: after approx. 2 hours
Fully dry: after approx. 24 hours
Overcoating: after approx. 6 hours with Intumescent Coat, after approx. 48 hours with Protective Sealer
Practice values at +20 °C and 65% relative humidity.
Low temperatures, poor ventilation and high humidity delay drying.
- **Thinning**
Ready to use

Notes

Do not stack treated components.
The treated components must be protected against rain and moisture (enclosed spaces, covered structures etc.) and must not be exposed to weathering.
Top coat of Protective Sealer: To protect the surface against contamination during transportation, adhesive bonding and short-term moisture. Levels out uneven degrees of gloss.
Please note the provisions of the General Building Inspectorate Approval.
The Intumescent Coat always has to be used in combination with the Protective Sealer.

Tools / Cleaning



Medium-pile lambswool roller, solvent-resistant flat brush

Airless/airmix spraying equipment:
High-performance piston pump, ratio ≥ 30:1
Remove sieves and filters
Hose diameter ≥ NW 10
Whip 1.5-2 m, NW 6, possible
Use solvent-resistant hoses

Clean the tools with hot water immediately after use.
Ensure that any residue from cleaning is disposed of correctly.

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 18 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Personal protective equipment

Respiratory protection with at least an A/P2 combination filter must be worn during spraying, together with safety goggles. Wear suitable protective gloves and clothing.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

VOC content as per the "Decopaint" Directive (2004/42/EC)

EU limit value for the product (Cat. A/i): max. 140 g/l (2010).
This product contains < 140 g/l VOC.

VOC	
Kat.	A/i
2010:	140g/l
max.:	140g/l



Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.