



HSL-32/m Premium Wood Protection Stain 3in1

Hydrophobic, biocide-free premium wood protection stain with high solid content for reducing the risk of wood discolouration, including in highly susceptible areas



Colour	Availability				
	Quantity per pallet	672	200	96	22
	Size / Quantity	0,75 l	2,5 l	5 l	20 l
	Type of container	Tin bucket	Tin bucket	Tin bucket	Tin bucket
	Container code	01	03	05	20
	Art. no.				
clear	7280	■	■	■	■
light oak (RC-365)	7282	■	■	■	■
nutwood (RC-660)	7283	■	■	■	■
pine/larch (RC-260)	7284	■	■	■	■
palisander (RC-720)	7285	■	■	■	■
silver grey (RC-970)	7286	■	■	■	■
teak (RC-545)	7287	■	■	■	■
special colour	7281		■	■	■

Application rate

Approx. 180 ml - 250 ml/m² in min. 2 - 3 coats

Planned or very thick woods are less absorbent and may require a third coat



Range of use



- For use on exterior wood
- Wood without contact to the ground in accordance with hazard classes 1, 2 and 3 of EN 335-1
- Wooden elements that come into contact with skin: e.g. chairs, tables, benches, swings, climbing frames, etc.
- Wood building elements with no dimensional stability: e.g. fences, framework, carports, planking
- Wood building elements with limited dimensional stability, e.g. folding shutters, matchboarding, summerhouses
- Primer, intermediate and finishing coats
- For use by professionals
- Not suitable for coating flooring (terraces, wooden decking, etc.)

Property profile



- Biocide-free, low-build stain with high solid content in brilliant colours
- 3 in 1: impregnation, priming and stain
- Preventive, physical protection against moisture, UV radiation and nesting wasps
- Impregnation effect: saturates wood to protect against moisture
- Diffusion-open protective film: moisture can escape
- Water-repellent: wet surfaces dry quickly
- Protection against weathering (constructive protection and the protection provided by the product) reduces the risk of blue stain and rot
- Reduces the risk of discolouration due to tannic acid caused by moisture (e.g. oak)
- Optimum processing thanks to long open time
- Long-term protection with uniform weathering and no flaking
- Subsequent treatment without sanding
- Recyclability: wooden components treated with this product can be recycled



Characteristic data of the product

Binder	Alkyd resin
Density (20 °C)	Approx. 0.89 g/cm ³
Viscosity	Approx. 90 s ISO 2431/3 mm
Odour	Solvent-like, odourless once dry
Degree of gloss	Matt

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- [Bläuebestimmung DIN EN 152_MPA Eberswalde](#)
- [DIN EN 71-3 "Migration of certain elements"](#)
- [Prüfungszeugnis ST-21-11-03-01 nach DIN EN 927_EPH Dresden](#)

Additional information

- [Nachhaltigkeitsdatenblatt](#)

Possible system products

- [IG-10 Impregnation Primer IT* \(7144\)](#)
- [Induline SW-910 \(3777\)](#)

*Use biocidal products carefully.
Always read the label and product information before use.

Preparation

■ **Substrate requirements**

The substrate must be clean, dry, free of dust, grease and loose substances, and prepared in the correct manner.

Dimensionally stable wood building elements: wood moisture content 11-15%

Wood building elements with limited or no dimensional stability: wood moisture content max. 18%

■ **Substrate preparation**

Completely remove old coatings (e.g. paints or medium-build stains), bark, bast and dirt.

Remove any loose and torn knots as well as resin that bleeds from the wood and clean with a suitable product (e.g. V 101 Thinner, a nitrocellulose or universal thinner).

Smooth, planed wood surfaces should be sanded and dusted before the coating is applied to ensure better absorption.

Exterior wood that also requires protection against wood-destroying insects and rot should be pre-treated with IG-10 Impregnation Primer IT*. (*Use biocides safely. Always read the label and product information before use.)

Observe BFS Code of Practice No. 18 "Coatings on Wood and Wooden Working Materials in Outdoor Areas".

Directions



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.

Stir well.

Apply by brush.

Apply in the direction of the grain.

Apply a second or third coat once dry.

Use material with the same batch number on contiguous surfaces (mix material of different batches beforehand), otherwise slight differences in colour, gloss and texture may occur.

On oak an additional, clear base coat is recommended.

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.

Before coating technically modified woods and wood-based materials, apply the product to a trial surface and conduct a suitability test on the desired area of use.

If the surface is overcoated with other products it is recommended to test the adhesion to the substrate.

White should be used in outdoor areas only for surfaces not directly exposed to weather such as roof eaves etc. or as base coat.

Due to the different covering properties of white and pastel varnish colours, the optical appearance may vary depending on the substrate. It must be checked in advance whether discolouration of the varnish may occur due to substances contained in the wood.

Due to the low UV protection of these colour shades, shorter maintenance intervals must be expected.

In order to take account of and clarify these issues, a trial surface must be prepared in order to ensure that the surface meets expectations.

Rainfall may cause water soluble substances to bleed from wood that is rich in such substances, e.g. oak, red cedar, afzelia, redwood, etc. This may lead to the discolouration of light-coloured masonry or render.

Cut end-grain surfaces at the bottom to create a water-drip edge.

Seal end-grain wood with Induline SW-910 in the corresponding colour (at least 2 coats).

Each layer of stain results in a more intense colour and a glossier finish.



■ **Drying**

Overcoating: after approx. 12 hours
Practice values at +20 °C and 65% relative humidity.
Low temperatures, poor ventilation and high humidity delay drying.

■ **Thinning**

Ready to use

Notes

DIN EN 71-3 "Migration of certain elements":
This product complies with the limits for the migration of heavy metals to children's toys according to DIN EN 71-3 and thus fulfils one of several further requirements for the safety of children's toys according to the EU "Toy Directive" (2009/48/EC).

On planed larch and softwoods with a high resin content, the coating may have reduced adhesion and resistance to weathering. This is especially the case on horizontal year rings, knots and areas of winter growth that are high in resin. Maintenance and renovation must be carried out more frequently on these surfaces. The only remedy for this is pre-weathering or very coarse sanding (P80). If these wood types are rough-sawn, considerably longer maintenance and renovation intervals are to be expected.

Appropriate design measures are essential to ensuring durable wooden building elements and long-lasting coatings. The structure should be designed to repel water (avoid horizontal surfaces, bare end-grain wood, capillary joints, places where water and moisture can accumulate, contact with splash water, and sharp edges).

The production of exterior building elements made from wood requires particularly care when planning, selecting the wood, designing, bonding elements together, glazing and waterproofing.

If the design requirements for exterior wooden building elements are not met, it will not be possible to obtain a durable coated finish.

Observe the regulations concerning design principles for wood protection.

Do not use on horizontal surfaces without drainage slopes and without edge radius, avoid accumulated moisture.

Tools / Cleaning

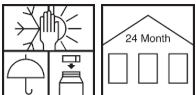
Paintbrush with natural bristles, flat brush



Clean tools immediately after use with V 101 Thinner. Dispose of the remains from cleaning properly.

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 24 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.

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/e): max. 400 g/l (2010).
This product contains < 400 g/l VOC.

VOC	
Kat.	A/e
2010:	400g/l
max.:	400g/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.