



HSL-30/m Premium Wood Protection Stain 3in1

Solvent-based, premium wood protection stain with increased efficacy for professional use



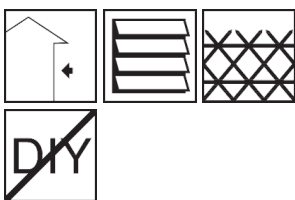
| Colour | Availability | | | | | |
|----------------------|---------------------|------------|------------|------------|------------|------------|
| | Quantity per pallet | 672 | 200 | 96 | 30 | 22 |
| | Size / Quantity | 0,75 l | 2,5 l | 5 l | 10 l | 20 l |
| | Type of container | Tin bucket | Tin bucket | Tin bucket | Tin bucket | Tin bucket |
| | Container code | 01 | 03 | 05 | 10 | 20 |
| | Art. no. | | | | | |
| HSL-30/matt | | | | | | |
| clear | 7100 | ■ | ■ | ■ | ■ | ■ |
| light oak (RC-365) | 7101 | | ■ | ■ | | ■ |
| pine (RC-270) | 7102 | | ■ | ■ | | ■ |
| pine/larch (RC-260) | 7103 | | ■ | ■ | | ■ |
| rustic oak (RC-360) | 7104 | | ■ | ■ | | ■ |
| teak (RC-545) | 7105 | | ■ | ■ | | ■ |
| mahogany (RC-565) | 7106 | | ■ | ■ | | ■ |
| nutwood (RC-660) | 7107 | | ■ | ■ | | ■ |
| palisander (RC-720) | 7108 | | ■ | ■ | | ■ |
| silver grey (RC-970) | 7109 | | ■ | ■ | | ■ |
| white (RC-990) | 7110 | | ■ | ■ | | ■ |
| chestnut (RC-555) | 7111 | | ■ | ■ | | ■ |
| graphite grey | 7112 | | ■ | ■ | | ■ |
| platinum grey | 7113 | | ■ | ■ | | ■ |
| special colour | 7114 | | ■ | ■ | ■ | ■ |

Application rate

Preventive protection against blue stain and soft rot at 205-250 ml/m² applied in at least two coats
Planned or very thick woods are less absorbent and may require a third coat



Range of use



- For use on exterior wood
- Wood which is not in ground contact, in accordance with DIN EN 335-1, use classes 2 and 3
- 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
- Dimensionally stable wood building elements (when used as a primer only): e.g. windows and doors
- Primer, intermediate and finishing coats
- Not suitable for coating outdoor flooring (terraces, wooden decking, etc.)

Property profile



- Low-build stain
- 3 in 1: impregnation, priming and stain
- Preventive protection against: moisture, UV rays, rot, blue stain, mould, algae and nesting wasps
- Good penetration
- Breathable
- Brilliant colours



- Does not flake
- Subsequent treatment without sanding
- The clear variant does not protect against UV radiation (greying) and should therefore be used only on wood elements not directly exposed to weather (i.e. protected against direct sunlight, precipitation and wind). If a clear coating is desired on a directly exposed exterior surface, apply several coats and refresh at regular intervals.
- All colours are mixable with one another

Characteristic data of the product

| | |
|-----------------|----------------------------------|
| Binder | Alkyd resin |
| Density (20 °C) | Approx. 0.87 g/cm ³ |
| Viscosity | Approx. 50 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.

Additional information

- [Colour card](#)

Possible system products

- [IG-10 Impregnation Primer IT* \(7144\)](#)
- [Induline SW-910 \(3777\)](#)
- [MSL-40/sm Medium Build Stain UV+ \(7240\)](#)

*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 loose and torn knots as well as resin that bleeds and clean with a suitable product (e.g. thinner & brush cleaner).
Smooth, planed wood surfaces should be sanded and dusted before the coating is applied to ensure better absorption.
Observe BFS Code of Practice No. 18 "Coatings on Wood and Wooden Working Materials in Outdoor Areas".

Directions

For professional users only!



- **Conditions for use**
Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.

Stir well.
Qualified specialist companies: brushing, dipping, flow-coating and spraying in closed systems only.
Apply in the direction of the grain.
Apply a second coat once the first has dried.
On oak an additional, clear base coat is recommended.
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.
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 coating 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.
Seal end-grain wood with MSL-40/sm Medium Build Stain UV+ in a suitable colour (at least 2 coats).
Cut end-grain surfaces at the bottom to create a water-drip edge.
Each layer of medium-build 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.
Even once the coating is sufficiently dry for handling, less volatile solvents may cause surface to feel clammy to the touch over several days!
This property does not constitute a flaw!
The evaporation of these solvents can be accelerated by the ensuring the highest possible air exchange.

- Thinning
Ready to use

Notes

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.

According to the current state of the art (this includes DIN 68800-1 and -3 in Germany), wood preservation measures must also be planned for non-load-bearing wooden elements in good time and with due care, with the agreement of all parties involved in the construction (architect, developer, builder) and in compliance with the legal requirements and the conditions on site. The use of biocidal (“chemical”) wood preservatives should therefore always be indicated in suitable fashion prior to sale, or must be agreed in advance with the client in writing. Failure to comply with this requirement may result in country-specific or contract-specific conflicts with legal requirements, standards or certification systems. The Remmers Technical Service would be happy to discuss the matter and provide you with a template agreement for the use of a biocidal (“chemical”) wood preservative on the wooden elements being used.

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,
dipping tank, flow coating facility, spraying facility (enclosed)

Clean tools immediately after use with V 101 Thinner.
Ensure that any residue from cleaning is disposed of correctly.

Storage / Shelf life



Store in well-sealed, original containers, out of the reach of children and in a dry, cool, well-ventilated room which is protected from direct sunlight and frost. No smoking is permitted in storage areas.

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.

First aid measures

If inhaled:
Take affected persons into the open air and position comfortably
Supply fresh air and call for doctor for safety reasons.
In case of unconsciousness bring patient into stable side position for transport.

If on skin:
If skin irritation continues, consult a doctor.
Wash immediately with water and soap and rinse thoroughly.

If in eyes:
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

If swallowed:
Do not induce vomiting; call for medical help immediately.

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.
European waste code 03 02 02* organochlorinated wood preservatives

Biocidal Products Regulation

Active ingredients:
100 g of this product contain 1,50 g 3-iodo-2-propynyl butylcarbamate

Authorisation no.:
UK-2013-0780

Control Guidance Sheets:
BP 1081 – Preventive wood preservation – basic measures
BP 2081 – Wood preservatives: brushing, rolling, filling and wiping



BP 2083 – Application of wood preservatives in open systems

Wood preservatives contain biocidal ingredients to protect wood from pests. To avoid risks to humans and the environment, they should only be used in accordance with the instructions and only in the approved application areas. Avoid all unnecessary contact with this product. Misuse may be harmful to both health and the environment. Open and use with care.

Do not eat, drink or smoke when working.

Keep away from sources of ignition, protect against electrostatic charges.

Explosive vapour/air mixtures may form; do not inhale gases and vapours.

Ensure good ventilation during workshop processing (industrial application).

Ensure good ventilation and internal ventilation when coating windows and exterior doors; keep all available windows and doors open (cross ventilation, air exchange rate of at least 5 hours); keep time spent in the working area to a minimum.

Wash hands prior to taking breaks and after having finished work.

Do not use on wood intended to come into direct contact with food or feed.

Do not allow the product or any quantities of leftover product to enter aquatic environments, soil or the sewage system.

Use of this product and use of the wood that has been treated with this product is prohibited in the immediate vicinity of surface waters since it could impair aquatic ecosystems.

Application should take place only on an impermeable base, if necessary cover with suitable material (plastic sheets/canvas covers). Treated wood must be stored on a hard, impermeable base until completely dry. Any product residues which have leaked or which have dripped from wood must be collected for re-use or disposal. Protect the environment (subsoil, aquatic environments, plants, etc.) from product splashes.

Never use this product to treat wood surfaces in rooms where people gather; the only exception to this is the insides of windows and doors.

The "Code of Practice for Handling Wood Preservatives" issued by the German industrial association, Deutsche Bauchemie e.V., provides comprehensive information.

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.