



# Aqua HSL-35/m Premium Wood Protection Stain 3in1

Water-based, quick-drying premium wood stain for professional use



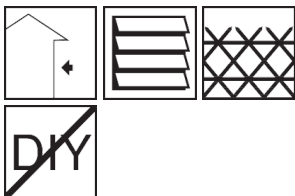
Colour	Availability					
	Quantity per pallet	672	200	96	30	22
	Size / Quantity	0,75 l	2,5 l	5 l	10 l	20 l
	Type of container	Tin bucket	Tin bucket	Tin bucket	Tin bucket	Tin bucket
	Container code	01	03	05	10	20
	<b>Art. no.</b>					
clear	7120	■	■	■	■	■
light oak (RC-365)	7121		■	■		■
pine (RC-270)	7122		■	■		■
pine/larch (RC-260)	7123		■	■		■
teak (RC-545)	7124		■	■		■
nutwood (RC-660)	7125		■	■		■
palisander (RC-720)	7126		■	■		■
silver grey (RC-970)	7127		■	■		■
white (RC-990)	7128		■			■
special colour	7129		■	■	■	■

## Application rate

Preventive protection against blue stain at 197-216 ml/m<sup>2</sup> in at least 2 applications



## 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 floors (terraces, wooden decking, etc.)

## Property profile



- Low-build stain
- 3 in 1: impregnation, priming and stain
- Protects wood from moisture and provides effective protection against blue stain fungi
- Protection against weathering (constructive protection and the protection provided by the product) reduces the risk of blue stain and rot
- Increased solids content provides physical protection against nesting wasps
- Film preserver protects against mould and algae
- Water-based: does not give off any unpleasant odours and tools can be cleaned with water
- Quick drying: 2 coats can be applied in one day
- Subsequent treatment without sanding
- Long-term protection with uniform weathering and no flaking
- Good penetration
- Breathable



- All colours are mixable with one another

Characteristic data of the product

Binder	Acrylate/alkyd system
Density (20 °C)	Approx. 1.03 g/cm <sup>3</sup>
Runout time s (20° C, DIN 4)	Approx. 21
Odour	Mild, 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

- Colour card

Possible system products

- Aqua IG-15 Impregnation Primer IT\* (7145)
- Induline SW-910 (3777)
- Aqua MSL-45/sm Medium Build Stain UV+ (7130)
- Aqua OML-48/tm Medium Build Oil Stain <sup>[ecol]</sup> (7710)
- Aqua DSL-55 High Build Stain PU (7220)
- Aqua NEL-56/tm Natural Effect Varnish (7151)

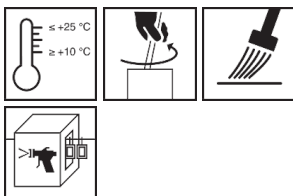
\*Use biocidal products carefully.  
Always read the label and product information before use.

Preparation

- Substrate requirements  
The substrate must be clean, dust-free and dry.  
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  
Optimum temperature of the material, air and substrate: from min. +10 °C to max. +25 °C.  
Relative humidity 50% - 65%.  
  
Stir well.  
Qualified specialist companies: apply by brush, spraying in closed systems only.  
Apply in the direction of the grain.  
Apply a second coat once the first has dried.  
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.  
Do not use at temperatures below +5°C.  
If the temperature is too low or the humidity too high, it will take longer for the material to reach the desired properties.  
Substances in oak may bleed, causing dark discolouration, when coated with water dilutable dispersion stains. Pre-testing is recommended also on other woods.  
Clear, white and hemlock are suitable for use only on not directly weathered surfaces in outdoor areas, such as roof eaves, 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.  
End-grain surfaces must be sealed with the corresponding colour (at least 2 applications)  
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  
Dust-dry: after approx. 1 hour  
Can be coated: after approx. 2-3 hours

Practice values at +20 °C and 65% relative humidity.  
Low temperatures, poor ventilation and high humidity delay drying.  
Use a foamed protection foil between the single coated wood elements to avoid blocking.

- Thinning  
Ready to use  
If necessary with max. 5% water.

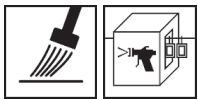
**Notes** On planed larch and softwoods with a high resin content, the coating may have reduced adhesion and resistance to weathering. This is especially the case on horizontal year rings, knots and areas of winter growth that are high in resin. Maintenance and renovation must be carried out more frequently 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**

Acrylic brush, flat brush



Clean tools with water or Aqua RK-898 Cleaning Concentrate immediately after use.  
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  
Seek medical treatment in case of complaints.  
If on skin:  
Wash immediately with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.  
If in eyes:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.  
If swallowed:  
Rinse out mouth and then drink plenty of water.  
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 05\* other wood preservatives containing hazardous substances

**Biocidal Products Regulation**

**Active ingredients:**  
100 g of this product contain 0,63 g 3-iodo-2-propynyl butylcarbamate  
**Authorisation no.:**  
UK-2019-1209  
**Control Guidance Sheets:**  
BP 1082 – Curative wood preservation – basic measures



- BP 2082 – Curative wood preservation in spray applications
- BP 1081 – Preventive wood preservation – basic measures
- BP 2081 – Wood preservatives: brushing, rolling, filling and wiping
- BP 2084 – Application of wood preservatives in closed systems
- 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.

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.

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

EU limit value for the product (Cat. A/e): max. 130 g/l (2010).  
This product contains < 130 g/l VOC.

VOC	
Kat.	A/e
2010:	130g/l
max.:	130g/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.