



Aqua MSL-45/sm Medium Build Stain UV+

Decorative, water-based medium-solid gel stain with very high UV protection for universal use on interior and exterior wood



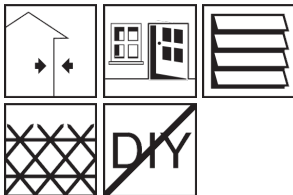
Colour	Availability					
	Quantity per pallet	672	200	96	30	22
	Size / Quantity	0,75 l	2,5 l	5 l	10 l	20 l
	Type of container	Tin bucket	Tin bucket	Tin bucket	Tin bucket	Tin bucket
	Container code	01	03	05	10	20
	Art. no.					
clear UV+	7130	■	■	■		■
light oak (RC-365)	7131		■	■		
pine (RC-270)	7132		■	■		
pine/larch (RC-260)	7133		■	■		
teak (RC-545)	7134		■	■		
nutwood (RC-660)	7136		■	■		■
palisander (RC-720)	7137		■	■		
white (RC-990)	7139		■	■		■
special colour	7140		■	■	■	■

Application rate



Approx. 100 ml/m² per coat
Pigmented: 2 coats
Clear UV+: 3 coats

Range of use



- For use on interior and exterior wood
- Dimensionally stable wood building elements: e.g. windows and doors
- 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
- Biocide-free topcoat on impregnated wood, e.g. garden furniture
- Clear UV+ can also be used as a sacrificial layer over pigmented variants to prevent the wood from darkening
- Not suitable for coating flooring (terraces, wooden decking, etc.)
- For use by professionals

Property profile



- Non-drip
- Weather-resistant and UV-resistant
- High UV protection for light colours and clear UV+
- Silk matt
- Dirt-repellent and easy to maintain
- Block resistant (in accordance with Code of Practice HO.03)
- Good flow properties
- Free from film preservation and wood protection biocides
- Elastic

Characteristic data of the product



Binder	Acrylate dispersion
Density (20 °C)	Approx. 1.02 g/cm ³
Viscosity	1200 mPa·s
Odour	Characteristic
Degree of gloss	Silk matt

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

Certificates

- [DIN EN 71-3 "Migration of certain elements"](#)

Possible system products

- [Aqua IG-15 Impregnation Primer IT* \(7145\)](#)
- [Induline SW-910 \(3777\)](#)
- [Aqua RG-27 Renovation Primer \(7146\)](#)
- [Aqua HSL-35/m Premium Wood Protection Stain 3in1* \(7120\)](#)
- [Aqua OZA-90 Open Time Additive \(5320\)](#)

*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**
Thoroughly remove any dirt, grease and non-adhering old coatings.
Sand grey and weathered wood surfaces down to sound, bright wood.
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).
Thoroughly sand any old coatings that are still intact.
If necessary, the substrate can be made more uniform with Aqua RG-27.
Exterior wood that is to be protected against insects, blue stain and rot must first be treated with Aqua IG-15 Impregnation Primer IT* - this is not necessary for interior wood (*use biocides safely. Always read the label and product information before use).
When painting exterior wood with the colour Clear UV+, the wood must first be pre-treated with Wood Protection Cream Clear.
Observe BFS Code of Practice No. 18 "Coatings on Wood and Wooden Working Materials in Outdoor Areas".

Directions



- **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.
Apply by brush.
Apply in the direction of the grain.
Apply a second coat once the first has dried.
If required, Clear UV+ can be used as a third coat to permanently fix the desired colour (sacrificial layer that is renewed when renovating).
When the colour clear UV+ is used for exterior wood, 3 coats of clear UV+ must be applied.
Windows and exterior doors require 3 coats.
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.
All colours can be mixed with one another.

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 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.
If the temperature is too high or the humidity too low, the material will dry more quickly. In such cases, we recommend adding Aqua OZA-90 Open Time Additive.
Areas that are being coated or dried should be protected against rain, wind, sunlight and condensation.
Do not use on wood impregnated with boron salts.
Cut end-grain surfaces at the bottom to create a water-drip edge.
Apply Induline SW-910 to end-grain wood and cut surfaces to protect against moisture.
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.
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.
Each layer of medium-build stain results in a more intense colour and a glossier finish.
Substances in oak may bleed, causing dark discolouration, when coated with water dilutable dispersion stains.
Mechanical damage, especially to clear coatings, must be immediately repaired with "clear UV+" to prevent discolouring, caused e.g. by blue stain.

- Drying
Dust-dry: approx. 1 hour
Can be coated: approx. 4 hours

Practice values at +20 °C and 65% relative humidity.
Low temperatures, poor ventilation and high humidity delay drying.

- Thinning
Ready to use.
If necessary, dilute with up to 5% water or Aqua OZA-90 Open Time Additive.

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).

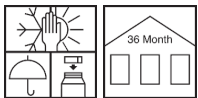
On planed larch and softwoods with a high resin content, the coating may have reduced adhesion and resistance to weathering. This is especially the case on horizontal year rings, knots and areas of winter growth that are high in resin. Maintenance and renovation must be carried out more frequently on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



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

Storage / Shelf life At least 36 months in unopened, original containers stored cool, dry and protected from frost.
Use the contents of open containers as quickly as possible.



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.

Biocidal Products Regulation Contains a biocidal product (in-can preservative) with the biocidal agents CMIT/MIT (3:1) for protecting the container content from deterioration by microbial organisms (germs, yeast, etc.). Please note the processing guidelines carefully!

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.