



Aqua DSL-55 High Build Stain PU

Water-based high-build stain with very good levelling properties for windows, doors and other high-value wood elements



Colour	Availability		
	Quantity per pallet	672	200
	Size / Quantity	0,75 l	2,5 l
	Type of container	Tin bucket	Tin bucket
	Container code	01	03
	Art. no.		
matt			
clear	7220	■	■
special colour	7221	■	■
silk gloss			
clear	7210	■	■
light oak (RC-365)	7211	■	■
pine/larch (RC-260)	7212	■	■
teak (RC-545)	7213	■	■
nutwood (RC-660)	7214	■	■
palisander (RC-720)	7215	■	■
special colour	7216	■	■

Application rate

Approx. 100 ml/m² per coat



Range of use



- For use on interior and exterior wood
- Dimensionally stable wood building elements: e.g. windows and doors
- Wood building elements with limited dimensional stability, e.g. folding shutters, matchboarding, summerhouses
- Intermediate and finishing coats
- Can also be used as a maintenance coat
- Not suitable for coating flooring (terraces, wooden decking, etc.)
- For use by professionals

Property profile



- Resistant to yellowing
- Easy to apply
- Weatherproof and moisture-regulating
- Block resistant (in accordance with Code of Practice HO.03)
- Long-lasting, dirt-repelling and hard-wearing
- Excellent flow properties
- Highly elastic
- With UV blocker
- Exceptional adherence on old coatings when used for maintenance work.

Characteristic data of the product



Binder	Special resins
Density	Approx. 1.04 g/cm ³
Odour	Mild, odourless once dry
Degree of gloss	Matt, silk-gloss

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"](#)

Additional information > [Sustainability data sheet](#)

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, dust-free and dry.
Dimensionally stable wood building elements: wood moisture content 11-15%
Wood elements with limited dimensional stability: wood moisture content max. 18%
- **Substrate preparation**
Thoroughly remove any dirt, grease and non-adhering old coatings.
Thoroughly sand any old coatings that are still intact.
Sand grey and weathered wood surfaces down to sound, bright wood.
Observe BFS Code of Practice No. 18 "Coatings on Wood and Wooden Working Materials in Outdoor Areas".
Pre-treat exterior wood that is to be protected from soft rot and/or blue stain with Aqua IG-15* or Aqua HSL-35* - not necessary for interior wood (*Use biocides safely. Always read the label and product information before use).

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.
Application by brush, spraying
Flow cup gun: nozzle size: 2.0 - 2.5 mm; atomiser air pressure: 2.0 - 3.0 bar.
Airless spraying: nozzle size: 0.28-0.33 mm; material pressure: 70-90 bar.
Air-mix spraying: nozzle size: 0.28-0.33 mm; material pressure: 70-90 bar, atomiser air pressure 1-2 bar.
Apply further coats once dry.
After priming, carry out light intermediate sanding.
Apply 2 - 3 coats with a slight intermediate sanding.
Maintenance coating: 1 - 2 coats with a slight intermediate sanding.
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



Prior to full application, please apply a test coat to a sample area under practical conditions using the desired system, then test or examine the surface properties.
Check colour, adhesion and compatibility with the substrate by setting up a trial area.
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.
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.

Apply Induline SW-910 to end-grain wood and cut surfaces to protect against moisture.
Cut end-grain surfaces at the bottom to create a water-drip edge.
Do not use on wood impregnated with boron salts.
Divide large surfaces into strips and do not coat extensive areas all at once.
Sealing compounds must be compatible with the coating and may only be applied once the coating has dried thoroughly.
Areas that are being coated or dried should be protected against rain, wind, sunlight and condensation.

Gaskets that contain plasticizers tend to become sticky in conjunction with dispersion paints. Use plasticizer-free gaskets.



Substances in oak may bleed, causing dark discolouration, when coated with water dilutable dispersion stains. The clear version is not suitable for use on exterior surfaces exposed to direct weathering. 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.

Drying

Dust-dry: approx. 1 hour
Overcoating: approx. 4 hours

Practice values at +20 °C and 65% relative humidity. The coating may take significantly longer to dry thoroughly in lower temperatures, at high humidity or if the maximum layer thickness has been exceeded.

Thinning

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

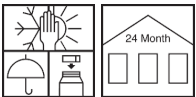
Paintbrush with synthetic bristles, flat brush, flow cup gun, airless/airmix spraying equipment



Clean tools immediately after use with water and detergent. 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 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.

Personal protective equipment

Respiratory protection with a particle filter P2 must be worn during spraying, together with protective 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/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.