



Induline ZW-420

Water-based effect varnish (metallic) for spray application



Colour	Availability		
	Quantity per pallet	96	22
	Size / Quantity	5 l	20 l
	Type of container	Tin bucket	Tin bucket
	Container code	05	20
	Art. no.		
white aluminium (approx. RAL 9006)	3902	■	■
special colours*	3903	■	■
*Minimum quantity 5l			

Application rate



Application quantity: approx. 150 ml/m² per application

Wet film thickness: approx. 150 µm

Dry film thickness: approx. 40 µm

Values refer to undiluted material!

Range of use



- For use on interior and exterior wood
- Spruce/fir
- Wood materials
- Dimensionally stable wood building elements: e.g. windows and doors
- Intermediate coating
- For use by professionals

Property profile



- Distinctive metallic effect thanks to special aluminium pigments containing coarse particles
- Easy to apply
- Very good alignment of the aluminium pigments
- Uniform metallic surface
- Regulates moisture and promotes adhesion

Characteristic data of the product

Binder	Special acrylate polymers
Density (20 °C)	Approx. 1.05 g/cm ³
Degree of gloss	Matt

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

Possible system products

- Induline SW-900* (3776)
- Induline GW-306* (3488)
- Induline GW-360 (3201)
- Induline LW-720 (3996)
- Induline LW-725 (3941)

*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%
- Substrate preparation
If necessary, impregnate non-resistant woods with a wood preservative* (*Use biocides safely. Always read the label and product information before use).
Prime wood surfaces.



If necessary, protect parapet joints with Induline V-Joint Protection or Induline AF-920.
After priming, carry out light intermediate sanding.

Directions



■ Conditions for use

Temperature of the material, air and substrate: from min. +15 °C to max. +30 °C.
The best spraying pattern is achieved at a material temperature of 15 to 20 °C.

Stir well, including during application or after a break in work.

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.
2 coats required.

Carry out intermediate sanding before applying a final coat: P 220-240, remove sanding dust.

To prevent differences in colour, the clear topcoat must be mixed with approx. 10% of this product.

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.

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.

Observe current standards and guidelines for coating wood building elements outdoors (Codes of Practice issued by the German Association of Window and Facade Manufacturers (VFF), Code of Practice No. 18 issued by the German Federal Committee for Paint and the Protection of Material Assets (BFS), guidelines issued by the German Lacquer and Printing Ink Association (VdL) and lift guidelines issued by the Institut für Fenstertechnik).

The system finder on our website www.remmers.com contains coating recommendations for specific wood types to be used when treating windows and exterior doors.

Do not use in direct sunlight or at temperatures below +15 °C or above +30 °C.

Relative humidity must not exceed 85%.

Ensure good aeration and ventilation in particular in series production.

Sealing compounds must be compatible with the coating and may only be applied once the coating has dried thoroughly.

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

Wooden building elements with an intermediate coating of Induline ZW-420 must not be exposed to weather without a topcoat.

■ Drying

Dust-dry: after approx. 30 minutes

Ready for sanding and overcoating: after approx. 4 hours
(at 23 °C and 50% RH)

If forced drying is used, ready for sanding and overcoating: after 20 minutes flash-off zone (at approx. 20 °C and 65 - 75% RH / 75 minutes drying phase (approx. 45 °C, 1 m/s air circulation) / 20 minutes cooling phase

■ Thinning

Dilute with water if necessary (max. 5%).

Notes

Sealing compounds must be compatible with the coating and may only be applied once the coating has dried thoroughly.

Wood building elements which have been treated with an intermediate coating should not be exposed to weathering until a finishing coat has been applied.

Transport/assembly damage:

The surface finish can only be restored to its original quality if the material is applied to the building elements by spraying.

Care and maintenance:

Wood is subjected to great climatic and environmental stresses when outdoors. The coat is susceptible to the processes of natural ageing, wear and decomposition. Decomposition takes place at different speeds, depending on the stress (weak, average, strong) placed on the wood building element. Weathering stages may vary according to the part or element affected. To give wood the longest and best possible protection it is advisable to examine surfaces every year. Any damage found should be addressed immediately after cleaning.

For cleaning and care, we recommend the care set for windows (2745) and doors (2746).

If necessary, a top-up coat of Aqua MSL-45/sm (7130) in the colour clear UV+ can be applied by brush.

Tools / Cleaning

Hand spray gun, automatic spraying equipment

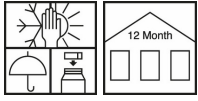


Clean tools with water or Aqua RK-898 Cleaning Concentrate immediately after use.
Ensure that any residue from cleaning is disposed of correctly.



Storage / Shelf life

If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 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 at least an A/P2 combination filter must be worn during spraying, together with safety 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.

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.