



Induline ZW-425

Water-based, opaque sealing primer and intermediate coat for spray application



Colour	Availability			
	Quantity per pallet	96	22	4
	Size / Quantity	5 l	20 l	120 l
	Type of container	Tin bucket	Tin bucket	Plastic drum
	Container code	05	20	68
	Art. no.			
white	7918	■	■	■
special colours	7919		■	■

Application rate

150 - 200 ml/m² per coat
(corresponds to a wet film thickness of 150 - 200 µm and a dry film thickness of 60 - 85 µm)



Range of use



- For use on interior and exterior wood
- Soft and hard woods
- Dimensionally stable wood building elements: e.g. windows and doors
- Primer and intermediate coat
- Should not be used on merbau or framire
- For use by professionals

Property profile



- Good flow properties
- Good build on the surface
- Good pore wetting performance
- Excellent protection against discolouration caused by water-soluble substances contained in the wood
- Excellent protection against surface defects caused by substances contained in specific types of wood (e.g. larch)
- Very good adhesion to the substrate
- Flexible tinting helps to provide the ideal colour match with final coats

Characteristic data of the product

Binder	acrylate binder
Density (20 °C)	approx. 1.27 g/cm ³
Odour	amine-like
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

- [French VOC Emission Test](#)

Possible system products

- [Induline SW-900* \(3776\)](#)
- [Induline GW-209 \(2498\)](#)
- [Induline GW-360 \(3201\)](#)
- [Induline DW-601 Aqua Stop \(1725\)](#)
- [Induline DW-625 \(1764\)](#)
- [Induline GW-306* \(3488\)](#)
- [Induline DW-691 \(3070\)](#)
- [Induline DW-692 \(3056\)](#)



*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.

Directions



■ **Conditions for use**

Temperature of the material, air and substrate: from min. +15 °C to max. +30 °C.

The values given are based on undiluted material. The best spraying pattern is achieved if the material has a temperature of 15-20 °C.

If necessary, check compatibility with the substrate and sealing effect by applying a trial coat.

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.

After priming, carry out light intermediate sanding.

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

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.

Ensure good ventilation.

With water based coating systems, there is always a residual risk that substances contained in the wood will cause discoloration.

Bleeding resin is a natural phenomenon and cannot be prevented by coating measures, see BFS Code of Practice No. 18.

The product's sealing effect may be impaired if it is diluted too thinly, if the wood is too wet or if the recommended coating sequence, application volumes and drying times are not observed.

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 ift 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.

■ **Drying**

Dust dry: after approx. 30 mins

Can be sanded and overcoated: after approx. 4 hours

(at 23 °C and 50% RH)

When forced drying is applied, can be sanded and overcoated: after 20 mins flash-off time (at approx. 20 °C and 65-75% RH/75 mins drying time (approx. 45 °C, 1 m/s air circulation)/20 mins cooling time.

Low temperatures, poor ventilation and high humidity delay drying.

■ **Thinning**

If necessary with water (max. 5%).

Notes

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

Only use sealing profiles that are free of plasticisers.

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

Depending on the desired final colour (e.g. when using Induline DW-625), Induline ZW-425 can be used specifically in one of 4 basic colours. This allows the colour accuracy, colour brilliance, hiding power/clouding to be optimised. This is particularly important for colours from the yellow, red, orange and green colour spaces which are naturally less opaque. The classification below can be used to select a specific colour for the intermediate coat, depending on the colour of the finishing coat:

RAL 1000-1037: FT42553 cream

RAL 2000-2012: FT42553 cream

RAL 3000-3031: FT42553 cream

RAL 4001-4010: FT42554 light grey



RAL 5000-5004, 5008, 5010-5011, 5013, 5020, 5022: FT42555 dark grey
 RAL 5005-5007, 5009, 5012, 5014-5019, 5021, 5023-5024: FT42554 light grey
 RAL 6000, RAL 6017-6019, 6021, 6024-6025, 6027, 6029-6034: standard white
 RAL 6001-6003, 6010-6011, 6016, 6026, 6028: FT42554 light grey
 RAL 6004 - 6009, 6012, 6014 - 6015, 6020, 6022: FT 42555 dark grey
 RAL 6013: RAL 7001 pigmentation
 RAL 7000-7013, 7023, 7030, 7033, 7036-7037, 7039-7043, 7045-7046: FT 42554 light grey
 RAL 7015-7022, 7024-7026, 7031: FT 42555 dark grey
 RAL 7032, 7034-7035, 7038, 7044, 7047: standard white
 RAL 8000-8008, 8023 - 8028: FT 42554 light grey
 RAL 8011-8022: FT 42555 dark grey
 RAL 9001-9003, 9010, 9016, 9018: standard white
 RAL 9004-9005, 9011, 9017: FT 42555 dark grey
 RAL 9006-9007: FT 42554 light grey

Tools / Cleaning

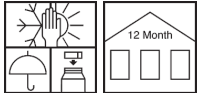
Hand spray guns, automatic spraying equipment.



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.

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

EU limit value for the product (Cat. A/g): max. 30 g/l (2010).
 This product contains < 30 g/l VOC.

VOC	
Kat.	A/g
2010:	30g/l
max.:	30g/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.