



# Induline ZW-400

Opaque, water-based sealing filler for spraying



Colour	Availability						
	Quantity per pallet	96	22	6	4	4	1
	<b>Size / Quantity</b>	<b>5 l</b>	<b>20 l</b>	<b>60 l</b>	<b>90 l</b>	<b>120 l</b>	<b>1000 l</b>
	Type of container	Tin bucket	Tin bucket	Drum	Drum	Plastic drum	Plastic container
	Container code	05	20	60	90	68	61
	<b>Art. no.</b>						
white	3900	■	■	■	■	■	■
special colours	3901		■			■	

### Application rate

Approx. 150 ml/m<sup>2</sup> per coat  
(corresponds to wet film thickness of approx. 150 µm, dry film thickness of approx. 70 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
- Do not apply to level surfaces if exposed to moisture; construction must be water-repelling
- For use by professionals

### Property profile



- Very good adhesion to the substrate
- Good build on the surface
- High degree of pore filling
- Quick-drying
- Good sanding properties
- Very good hiding power
- 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)

### Characteristic data of the product

Binder	Special acrylate polymers
Density (20 °C)	Approx. 1.28 g/cm <sup>3</sup>
Odour	Ammoniac
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**
- **KOMO® product certificate 33004 FILM FORMING COATINGS FOR APPLICATION ON TIMBER**

### Possible system products

- **Induline SW-900\* (3776)**
- **Induline GW-201 (2491)**
- **Induline GW-209 (2498)**
- **Induline GW-306\* (3488)**
- **Induline DW-601 Aqua Stop (1725)**
- **Induline DW-691 (3070)**
- **Induline GW-360 (3201)**

\*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).

Pre-treat wood surfaces with a suitable primer.

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.

Ensure good ventilation.

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.

Flow cup gun: nozzle size: 2.0 - 2.5 mm; atomiser air pressure: 2.0 - 3.0 bar.

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 product 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.

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

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](http://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 minutes

Ready for sanding and next coat: after approx. 4 hours

If forced drying is used, ready for next coat: after approx. 115 minutes

(20 minutes flash-off time at approx. 20 °C and 65 - 75% RH / 75 minutes drying time at approx. 45 °C, 1 m/s air circulation / 20 minutes cooling time)

Practice values at +20 °C and 65% relative humidity.

Low temperatures, poor ventilation and high humidity delay drying.

■ **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.

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.

**Tools / Cleaning**



Hand spray gun, automatic spraying equipment, flow cup gun

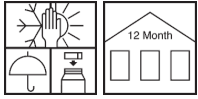
Clean tools with water or Aqua RK-898 Cleaning Concentrate immediately after use.

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.

**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/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.