



THE BEST FOR YOUR WOOD

# Koralan<sup>®</sup>

# Außenfarbe

(Koralan<sup>®</sup> Exterior Paint)

## 1. Product Description

<b>Product type</b>	Acrylic and water-based weather protection paint For protecting wood from weather outdoors. <b>Requirements according to DIN EN 71-3 are complied with (safety of toys') according to RL 2009/48/EG.</b>
<b>Protective effect</b>	Protects wood from weather factors (moisture, sun).
<b>Properties</b>	<ul style="list-style-type: none"><li>• Opaque</li><li>• Weather-resistant</li><li>• Elastic</li><li>• Moisture-regulating</li><li>• Water-repellent after drying</li><li>• Silk gloss finish</li><li>• Good flow properties</li><li>• Easy application</li><li>• Mild odour, odourless after drying</li></ul>
<b>Application</b>	Ideal for painting extensive areas of hardwood and coniferous wood outdoors (e. g. soffits, half-timbered buildings, windows, exterior doors, fences).
<b>Shades</b>	White, Black, Swedish Red, Yellow, Brilliant Yellow, Blue, Power Blue, Cobalt Blue, Green, Moss Green, Red, Russet, Dark Brown, Light Grey, Dark Grey Also available in RAL/NCS and special colours.  The final shade is achieved after the drying process.
<b>Container sizes</b>	0.75 l   2.5 l   10 l

## 2. Technical Data

<b>Density 20 °C</b>	Approx. 1.15 g/cm³ to 1.34 g/cm³, depending on the colour		
<b>Viscosity 20 °C</b>	Thixotropic		
<b>Drying</b>	In normal ambient conditions (23 °C at 50% relative humidity as per DIN 50014):		
	Dust-dry:	after approx.	1-2 hours
	Dry to touch:	after approx.	2 - 3 hours
	Dry:	after approx.	12 hours
	The drying times depend on the thickness of the coat and may be longer depending on the type of wood.		
	Drying may take significantly longer in unfavourable weather conditions (high humidity, low temperatures, minimal air change).		

## 3. Processing

<b>Application quantity</b>	With 2 coats, approx. 160 ml/m <sup>2</sup> on planed wood or smooth substrates.  An additional coat may be necessary (allow for increased consumption) on highly absorbent substrates.
<b>Application method</b>	Brushing, spraying (Airless, Airmix, Aircoat), rolling  <b>Airless:</b> Ø 0.011" – 0.013" nozzle with a spraying angle of 20-40° Material 80 – 100 bar <b>Aircoat:</b> Ø 0.011" – 0.013" nozzle with a spraying angle of 20-40° Material 80 – 100 bar air support 1.5 bar  Should Koralan® Exterior Paint be used in a spraying process, choose suitable equipment and nozzles similar to those used for processing dispersion gloss paints. Please make use of our technical advice.
<b>Application</b>	Stir the Koralan® Exterior Paint well before use. Quickly apply undiluted with a brush or roller in the direction of the grain, e. g. board by board with profiled wood. Apply the 2nd coat after a drying time of approx. 3 to 4 hours in normal ambient conditions. The wood moisture content must not exceed 15%.
<b>Application recommendations</b>	Check the colour before processing a large area; we recommend that you always make a trial application.  To prevent colour differences, only material with the same batch number should be applied to an object.  <b>Optimum processing and drying temperature: +15 °C to +30 °C (applies to the substrate, Koralan® Exterior Paint and the ambient temperature).</b> <b>Drying temperature: at least +5 °C.</b>

## Application recommendations

### Wood

At least one coat of primer and an intermediate coat must be applied to wooden components prior to their installation in buildings in accordance with the guidelines for coating dimensionally stable wooden components, published by the Federal Committee for Paints and the Protection of Objects, the VOB (Contracting Rules for the Award of Building Contracts) Part C/DIN 18363 and the recommendations of the Institute for Window Technology (Institut für Fenstertechnik e.V), Rosenheim.

#### *New wood*

For new or untreated timber in outdoor areas, we recommend using a water-based wood preservative primer (e.g. Koralan® Impregnation Primer).

A drying time of at least 12 hours is to be expected in normal ambient conditions if the wood has previously been treated with Koralan® Impregnation Primer.

A drying time of approx. 5 days in normal ambient conditions should be taken into account when applying a pretreatment with a solvent-based primer.

New, planed wooden surfaces should be sanded to improve the material absorption (grain size 80/120).

Pretreat the wood with Koralan Insulating Paint White (please refer to the technical data sheet) to protect against the bleeding of coloured wood constituents, especially with light shades of colour.

All sides of the wood should be treated in half-timbered areas, otherwise adjacent components may be stained by wood constituents washing out of the wood.

Treatment: 2 coats with Koralan® Exterior Paint after an appropriate pretreatment. Apply the material undiluted.

#### *Old wood*

Remove any old loose paint completely.

Clean off dirt and dust, sand down old loose paint if necessary. Then apply 2 coats with Koralan® Exterior Paint. Apply the material undiluted.

Sand down heavily weathered wood to remove raised wood grains and to achieve a uniform surface. Sharp edges should be eliminated. Wear a dust mask when sanding!

We recommend pre-priming surfaces where old paintwork has been removed completely (paint, varnish) in the same way as new wood and applying an undercoat with Koralan® Insulating Paint White to prevent the bleeding of coloured wood constituents.

#### *Mineral substrates*

(Concrete, aerated concrete and plaster surfaces)

Preparation of the substrates in accordance with VOB Part C/DIN 18363.

## Application recommendations

Observe the requirements of DIN 18550 with new plaster, mortar group II and III should be at least 6 weeks old.  
Please also refer to the data sheet for exterior painting of concrete and precast concrete components published by the German Concrete Association (Deutscher Betonvereins e.V.), Wiesbaden.

Clean dirt and dust off *new surfaces*. Thoroughly clean any release agents off concrete surfaces (please also refer to the data sheet published by the Institute for Coating Materials (Institut für Anstrichstoffe), which is part of the German Society for Coating Technology (Deutsche Gesellschaft für Anstrichtechnik)).

Pretreat new plaster and rewash thoroughly with water.

Primer: 1–2 coats with a deep-penetrating primer.  
(Please observe the manufacturer's instructions).

Undercoat: 1 coat with Koralan® Exterior Paint.  
Apply the material undiluted.

Final coat: 2 coats with Koralan® Exterior Paint.  
Apply the material undiluted.

Clean loose parts, moss and algae growth off old substrates with a pressure washer and then let them dry.

Primer: 1–2 coats with a deep-penetrating primer.  
(Please observe the manufacturer's instructions)

Undercoat: 1 coat with Koralan® Exterior Paint.  
Apply the material undiluted.

Final coat: 2 coats with Koralan® Exterior Paint.  
Apply the material undiluted.

### **Metal substrates**

Please refer to data sheet no. 5 published by the Federal Paint and Property Protection Committee (Bundesausschuss Farbe und Sachwertschutz), Frankfurt/Main for coatings on zinc plate and galvanised steel.

Primer: 1-2 coats with a metal primer on a degreased and cleaned substrate.  
Please observe the manufacturer's instructions.

Final coat: 2 coats with Koralan® Exterior Paint.  
Apply the material undiluted.

## Tool cleaning

Immediately after use with water and detergent.

## 4. Special Instructions

### Labelling in accordance with Regulation (EC) No. 1272/2008 [CLP]

#### Supplemental hazard information:

- EUH208 Contains 1,2-benzisothiazol-3(2H)-one; REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1). May produce an allergic reaction.
- EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### Instructions for use and warnings

Misuse may cause health problems and lead to environmental damage.  
 Keep out of the reach of children.  
 If medical advice is needed, have the packaging or label at hand.  
 Spray mists pose environmental and human health risks.  
 Avoid skin and eye contact, wear suitable protective clothing (e. g. protective gloves, safety goggles and breathing protection when applying the paint in a spraying process).  
 When using, do not eat, drink or smoke.  
 Keep away from food, drink and animal feeding stuffs.  
 Tie back plants and do not wet them.

### Storage and environmental protection

Do not empty into surface waters or drains.  
 Only store in original containers!  
 Seal container tightly after use.  
**Do not store at temperatures below +5 °C or above +30 °C.**

### Disposal

Ensure proper disposal of cleaning residues as well as containers that are not empty (collection point for hazardous waste).  
 Place emptied (drip-free) containers in recycling material containers.

### EWC / German waste catalogue regulation AVV

08 01 20 – Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19.

### VOC content

The maximum value (VOC content) for this product must be 130 g/l (2010), as per Directive 2004/42/EC. The VOC content of this product is < 130 g/l.

The above information has been compiled based on the latest development and application techniques and contains general advisory information. It describes our products and provides information about their application and processing.

As the application and processing of our products is beyond our control, we can only guarantee the consistent quality of our products in accordance with our General Terms of Sales and Delivery. We recommend that you make use of our technical advice in case of doubt.