



THE BEST FOR YOUR WOOD.

Koralan[®]

Außenfarbe

(Koralan[®] Exterior Paint)

1. Product Description

Product type	Acrylic and water-based weather protection paint Protects wood outdoors from weather influences (moisture, sun). Requirements according to DIN EN 71-3 are complied with (,safety of toys') according to RL 2009/48/EG.
Properties	<ul style="list-style-type: none">• Opaque• Weather-resistant• Elastic• Moisture-regulating• Water-repellent after drying• Silk gloss finish• Good flow properties• Easy application• Mild odour, odourless after drying
Application	Ideal for painting extensive areas of hardwood and coniferous wood outdoors (e. g. soffits, half-timbered buildings, windows, exterior doors, fences).
Shades	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.
Container sizes	0.75 l 2.5 l 10 l

2. Technical Data

Density 20 °C	Approx. 1.15 g/cm ³ to 1.34 g/cm ³ , depending on the colour
Viscosity 20 °C	Thixotropic
Drying	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

Application quantity	With 2 coats, approx. 160 ml/m ² on planed wood or smooth substrates. An additional coat may be necessary (allow for increased consumption) on highly absorbent substrates.
Application method	Brushing, spraying (Airless, Airmix, Aircoat), rolling Airless: Ø 0.011" – 0.013" nozzle with a spraying angle of 20-40° Material 80 – 100 bar Aircoat: 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.
Application	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%.
Application recommendations	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. The final shade will be achieved after drying. Optimum processing and drying temperature: +15 °C to +30 °C (applies to the substrate, Koralan® Exterior Paint and the ambient temperature). Drying temperature: at least +5 °C.

Application recommendations

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.

If additional protection against wood-dwelling and wood-destroying fungi is necessary, we recommend an impregnation with, for example, Koranol® Grund farblos (Impregnation primer colourless - solvent-based).

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). Use dust filter P2 for sanding work.

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. Use dust filter P2 for sanding work.

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.

Tool cleaning

Immediately after use with water and detergent.

4. Special Instructions

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

Hazard Statements:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have the packaging or label at hand.
P102 Keep out of the reach of children.
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental hazard information:

EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one, octhiline (ISO). 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.
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.

Shelf life

Cool, protected from frost and stored dry in the unopened original container for at least 36 months.

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.

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.