



THE BEST FOR YOUR WOOD

Koralan[®] Isolierfarbe Weiss

(Koralan[®] Insulating Paint White)

1. Product Description

Product type	Opaque water-based blocking primer for wood outdoors. Can also be used indoors. Requirements according to DIN EN 71-3 are complied with (safety of toys) according to RL 2009/48/EG.
Protective effect	Protects wood from weather factors (moisture, sun). Effectively reduces the bleeding of discolouring wood constituents. An undercoat for subsequent light-coloured top coats.
Properties	<ul style="list-style-type: none">• High coverage• Weather-resistant• Elastic• Moisture-regulating• Satin finish• Easy application• Mild odour, odourless after drying• Good insulation against paint-staining wood constituents• Very good flow properties• Sprayable
Application	For painting extensive areas of hardwood and coniferous wood indoors and outdoors (e.g. soffits, half-timbered buildings, windows, fences).
Shade	White
Container sizes	0.75 l 2.5 l 10 l

2. Technical Data

Density 20 °C	Approx. 1,30 g/cm ³
Viscosity 20 °C	Thixotropic
Flash point	Not applicable
Drying	In normal ambient conditions (23 °C at 50% relative humidity as per DIN 50014):

Dust-dry:	after approx.	1 hour
Dry to touch:	after approx.	2–3 hours
Sanding/recoating:	after approx.	12 hours

The drying times depend on the thickness of the coat and may be longer with wood rich in tanning agents.

It is important to provide adequate ventilation to achieve fast drying when used indoors. Drying may take significantly longer in unfavourable weather conditions (high humidity, low temperatures).

Drying may also take longer depending on the wood.

3. Processing

Preparation	Remove any old loose paint completely. Clean dirt and dust off wooden surfaces.
Application quantity	2-3 coats, approx. 160 ml/m ² on planed and polished wood. An additional coat may be necessary in highly absorbent areas (e.g. crosscut wood). Spraying process: 250 µm wet film
Application method	Brushing, rolling or spraying in appropriately equipped spraying systems (extraction). Please ask for our technical advice. Airless, Airmix and Aircoat spraying processes Airless: Ø 0.011"– 0.013" nozzle with a spraying angle of 20–40° Material pressure 80–120 bar Aircoat: Ø 0.011"– 0.013" nozzle with a spraying angle of 20–40° Material pressure 80–120 bar air support 1.5 bar

A dry film thickness of at least 40 µm is required to ensure the moisture protection for wooden elements that are to be newly installed as per DIN 18363.

Application

Stir the Koralan® Insulating Paint White well before use.
Quickly apply undiluted with a brush or roller.

Apply the second/third coat after allowing a drying time of approx. 8 hours to achieve the quantity of approx. 160 ml/m² (approx. 200 g/m²) required for the insulating effect.

The wood moisture content must not exceed 15%.

A final coat of Koralan® Exterior Paint, for example, can only be applied after a drying time of approx. 12 hours in normal ambient conditions.

Optimum processing temperature: +15 °C to +30 °C (applies to the substrate, Koralan® Insulating Paint White and the ambient temperature).

Drying temperature: at least +5 °C.

Application recommendations

Check the colour before processing a large area; we recommend that you always make a trial application.

An undercoat with a wood preservation primer with added active substances to protect against blue stain and rot is required for wood outdoors.
We recommend Koralan® Impregnation Primer Iv White (water-based).

A drying time of at least 6 hours is to be expected in normal ambient conditions if the wood has previously been treated with Koralan® Impregnation Primer Iv White.

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

With types of wood with intensive pigments such as oak, cedar, exotic timbers as well as with wooden materials made of deciduous or coniferous wood, seeping of wood substances cannot always be prevented.

Wood-based panels are generally unsuitable for coating with film-forming coating systems when used in areas directly exposed to weathering.

Should Koralan® Insulating Paint White 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.

At least one coat of primer or intermediate coat must be applied to all sides of wooden components for installation in buildings in accordance with the guidelines for coating dimensionally stable wooden components and structures outdoors, 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.

Recoating

For example, with Koralan® Exterior Paint or also with standard top coats after drying for 12 hours in normal ambient conditions. We recommend that you always make a trial application.

Tool cleaning

Immediately after use with water and detergent.

4. Special Instructions

Labelling in accordance with Regulation (EC) No. 1272/2008 [CLP]	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. May produce an allergic reaction.
	EUH210	Safety data sheet available on request.
	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. Tie back plants and do not wet them. 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). Keep out of reach of children. If medical advice is needed, have product container or label at hand. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.
Storage and environmental protection		Observe the statutory provisions for keeping ground water, surface water and air clean when storing and processing the product. 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 cat. A/d) for this product must be 130 g/l (2010) as per Directive 2004/42/EC. The VOC content of this product is < 100 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 Sale and Delivery. We recommend that you make use of our technical advice in case of doubt.