



THE BEST FOR YOUR WOOD.

Koralan®

EL 503

1. Product description

Product type	Acrylic-based wood scumble for the industrial coating of wooden elements in interior areas, e.g. ceiling formwork.
Properties	<ul style="list-style-type: none">• Fast drying• High blocking resistance• Very high transparency due to low-bubble glaze film• Mild odour, odourless after drying
Scope of application	Scumbling final coating for interior wooden components.
Colour shades	Colourless; other shades on request
Container sizes	10 l 20 l 120 l

2. Technical data

Density 20 °C	Colourless approx. 1.04 g/cm ³
Viscosity 20 °C	approx. 45 sec. (DIN 4 mm cup)
Drying	<p>In standard climate conditions (23 °C, 50 % relative humidity as per DIN 50014) and on normal wood species, such as pine and spruce:</p> <p>Surface drying: after approx. 1 hour Dry to the touch: after approx. 3 hours</p> <p>High wood and air humidity as well as low temperatures lead to drying delays. Forced drying is possible and leads to shorter drying times.</p>

3. Processing

Preliminary work	Before Koralan® EL 503 is applied, all types of wood can be pre-treated with Koralan® GL 100 in a colour of your choice. This pre-treatment should be followed by sanding between coats. Do not inhale any sanding dust and dispose of it properly. The wood moisture content of the component to be treated should not exceed 12% for hardwood and 15% for softwood.
Application quantity	Approx. 200 ml/m ² for 2 coats
Application methods	<p>Application by brushing, spraying (Airless, Airmix, Aircoat), rolling.</p> <p>Airless: Nozzle Ø 0.011" – 0.013" with spray angle 20-40° Material 80 – 100 bar Aircoat: Nozzle Ø 0.011" – 0.013" with spray angle 20-40° Material 80 – 100 bar Air support 1.5 bar</p> <p>If Koralan® EL 503 is to be applied by spraying, select suitable equipment and nozzles as used for the application of dispersion lacquer paints. Please contact us for advice.</p>
Application	<p>Check the colour before large-scale application, we always recommend applying a test coating first.</p> <p>Stir Koralan® EL 503 thoroughly before use, and apply it undiluted.</p> <p>Recommended processing temperature +15 °C to +30 °C (applies to the substrate, Koralan® EL 503 and ambient temperature). Drying temperature: at least +5 °C.</p> <p>The wood moisture content must not exceed 15%.</p> <p>The drying times between the individual coats must be adhered to. An intermediate sanding is recommended.</p>
Tool cleaning	Immediately after use with water and detergent. Dispose of cleaning remains properly and do not store them temporarily at the system (risk of microbial infestation).

4. Special instructions

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word: Warning

Hazard warnings:

H317 May cause allergic skin reactions.

Safety instructions:

P261 Avoid inhalation of dust/fume/gas/mist/vapour/aerosol.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P321 Special handling (see on this label).

P333+P313 In case of skin irritation or rash: Seek medical advice/assistance.

P362+P364 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents/containers in accordance with local/regional/national/international regulations.

Hazardous components for labelling:

2-Methyl-2H-isothiazol-3-one; Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1); 1,2-benzisothiazolin-3-one

Instructions for use and warnings

Misuse may cause health problems and lead to environmental damage. Spray mists endanger health and the environment. Avoid skin and eye contact, wear suitable protective clothing (e.g. protective gloves, goggles, and, in case of spraying processes, respiratory protection). Keep the product locked up and out of the reach of children. Keep away from food, drinks and animal feed stuffs. After working, wash your face and hands thoroughly with soap and water.

Storage and environmental protection

Store only in original containers!

Close the container tightly after use.

Do not discharge into surface water or the sewage system.

Do not store at temperatures below +5 °C or above +30 °C.

Disposal

Dispose of cleaning residues properly 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, apart from those covered by 08 01 19.

VOC content

The maximum value (VOC content cat. A/e) for this product is, as per Directive 2004/42/EC: 130 g/L. The VOC content of this product in the ready-to-use condition is <130 g/L.

The above details are based on the latest technological developments and application methods and contain general advice. They describe our products and provide information on the application and processing thereof.

Because application and processing are beyond our control, we are liable only for the consistent quality of our products as per our general terms and conditions. In the event of doubt, please contact our technical advisory team.