

# Koralan<sup>®</sup>

## UL 110

### 1. Product Description

<b>Product type</b>	Natural-oil based, aqueous wood scumble for the industrial coating of wooden elements for outdoors, e. g. fences, privacy shields, decking and KVD-impregnated garden timber. <b>Requirements according to DIN EN 71-3 are complied with (safety of toys) according to RL 2009/48/EG.</b>
<b>Properties</b>	<ul style="list-style-type: none"><li>• Weather-resistant</li><li>• Gives a glazed effect</li><li>• Good penetration into wood</li><li>• Very good flow properties</li><li>• Moisture-regulating</li><li>• No blocking</li></ul>
<b>Application</b>	Suitable for wood in the garden and also for coating decking, hardwood and KVD-impregnated garden timber.
<b>Shades</b>	UV Natural, Larch, Bangkirai, Salt Green, Scots Pine, Teak, Light Oak, Nut Tree, Rosewood, Tobacco Brown. Further shades on request
<b>Container sizes</b>	20 l   120 l   1,000 l

## 2. Technical Data

<b>Density 20 °C</b>	Approx. 1.02 g/cm <sup>3</sup> , depending on the shade
<b>Viscosity 20 °C</b>	Approx. 13 sec. (DIN 4 mm tub)
<b>Drying</b>	In normal ambient conditions (23 °C at 50 % relative humidity as per DIN 50014) as well as on common types of wood, such as Scots pine and spruce:  Dust-dry:                   After approx. 3 hours Recoatable:               After approx. 8 hours  Low temperatures as well as increased humidity may slow down drying. Ensure good air circulation during the drying process! Drying may also take up to several days when applied to certain types of tropical wood (e. g. Massaranduba, teak) as well as oak.

## 3. Processing

<b>Preparation</b>	Clean the surface of the wood. The surface of the wood must be free of dust and grease.
<b>Application quantity</b>	Approx. 120–160 ml/m <sup>2</sup> (approx. 80–100 ml/m <sup>2</sup> on tropical wood) with 2 treatments; allow for increased consumption with highly absorbent substrates.
<b>Application method</b>	Brushing, dipping, flooding, applying with a power painter, VACUMAT®
<b>Application</b>	<p>Check the colour before processing a large area; we recommend that you always make a trial application.</p> <p>Stir Koralan® UL 110 well before use. Apply Koralan® UL 110 undiluted.</p> <p>Optimum processing temperature: +15 °C to +30 °C (applies to the substrate, Koralan® UL 110 and the ambient temperature). Drying temperature: at least +5 °C. The wood moisture content must not exceed 20%.</p> <p>Place a cover over the dipping tank after use so that no air pockets occur.</p> <p>It is important to compensate for any water loss caused by the flooding system.</p> <p>The drying times between individual applications are to be observed. Intermediate sanding is recommended.</p> <p>The recirculation function in the dipping tank should be switched on before starting work or after longer breaks.</p> <p>A drying time of at least 3 days must be observed in normal ambient conditions when pretreating wood with a solvent-based wood preservative (e. g. Koranol® Primer).</p> <p>The intensity of the colour is influenced by the condition of the substrate, type of wood and application technique.</p>

<b>Application</b>	With very greasy or oily tropical wood (e. g. Massaranduba) we recommend that the wood is initially degreased or exposed to the weather for 6-8 weeks before the initial treatment with Koralan® UL 110, otherwise staining or defects may occur in the surface finish. It is important to protect the freshly coated wood from rain until it is fully dry when storing the product outdoors.
<b>Tool cleaning</b>	Immediately after use with water and detergent. Dispose of cleaning residues properly and do not store temporarily with the equipment (risk of microbial infestation of the working solution).

## 4. Special Instructions

<b>Labelling in accordance with Regulation (EC) No. 1272/2008[CLP]</b>	<p><b>Warnings:</b></p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p><b>Safety instructions:</b></p> <p>P273 Avoid release to the environment.</p> <p>P501 Dispose of contents/container to recovery or disposal facilities.</p> <p><b>Supplemental hazard information:</b></p> <p>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, 3-iodo-2-propynyl butylcarbamate, 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.</p> <p>EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.</p>
<b>Instructions for use and warnings</b>	Misuse may cause health problems and lead to environmental damage. Keep locked up and out of the reach of children. Avoid skin and eye contact, wear suitable protective clothing (protective gloves, safety goggles). Keep away from food, drink and animal feeding stuffs. In the case of an accident, if you feel unwell or if swallowed, seek medical advice immediately and show this packaging or label. Clean hands and face thoroughly with soap and water after finishing work.
<b>Storage and environmental protection</b>	Observe the statutory provisions for keeping ground water, surface water and air clean when storing and processing the product. Only store in original containers! Seal container tightly after use. Do not empty into surface waters or drains. Do not store at temperatures below +5 °C or above +30 °C.
<b>Disposal</b>	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.
<b>EWC/German waste catalogue regulation AVV</b>	08 01 20 – Aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19.
<b>VOC content</b>	The maximum value (VOC content cat. A/e) for this product must be 130 g/l from 2010 onwards 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.