

Koralan[®]

Beutenschutz-Farbe

(Koralan[®] Beehive Protection Paint)

1. Product Description

Product type	Acrylic and water-based weather protection paint. For surface treatment and as weather protection for wooden hives and beehive parts, apiaries and other wooden components in beekeeping as well as beehives made of Styropor [®] (polystyrene). Fulfils the requirements according to DIN EN 71-3 ("Safety of Toys") in accordance with Directive 2009/48/EC.
Protective effect	Protects wood and Styropor [®] outdoors from weather factors (moisture, sun).
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	Protective opaque coat for the surface treatment and decorative surface design of wood outdoors without ground contact as well as beehive parts made of Styropor [®] .
Shades	White, Yellow, Blue, Green, Red, Brown All shades can be mixed together. The final shade is achieved after the drying process.
Container sizes	0.375 l 0.75 l 2.5 l

2. Technical Data

Density 20 °C	Approx. 1.15 g/cm³ to 1.34 g/cm³, depending on the colour									
Viscosity 20 °C	Thixotropic									
Drying	<p>In normal ambient conditions (23 °C at 50% relative humidity as per DIN 50014):</p> <table><tr><td>Dust-dry:</td><td>after approx.</td><td>1-2 hours</td></tr><tr><td>Dry to touch:</td><td>after approx.</td><td>2 - 3 hours</td></tr><tr><td>Dry:</td><td>after approx.</td><td>12 hours</td></tr></table> <p>The drying times depend on the thickness of the coat and may be longer depending on the type of wood. Allow for extended drying times when coating Styropor® surfaces.</p> <p>Drying may take significantly longer in unfavourable weather conditions (high humidity, low temperatures, minimal air change).</p> <p>It is important to ensure adequate air circulation to achieve fast drying.</p>	Dust-dry:	after approx.	1-2 hours	Dry to touch:	after approx.	2 - 3 hours	Dry:	after approx.	12 hours
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3. Processing

Preparation	<p>Remove any opaque paint systems, clear varnishes or thick-film glazes completely. Sand down heavily weathered wood to remove raised wood grains and to achieve a uniform wooden surface. Clean dirt and dust off wooden and Styropor® surfaces. New, planed wooden surfaces should also be sanded to improve the material absorption (grain size 80/120). Sharp edges should be eliminated and rounded off.</p> <p>Wear a dust mask when sanding. Cover bituminous materials and plastics as well as plaster, concrete and stoneware to protect them from any possible dirt. Tie back plants and do not wet them.</p>
Application quantity	<p>160 ml/m² in two coats</p> <p>An additional coat may be necessary (allow for increased consumption) on highly absorbent substrates (e.g. crosscut wood).</p>
Application method	Apply with a brush or roller
Application	Stir Koralan® Beehive Protection 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	<p>Check the colour before processing a large area. We recommend that you always make a trial application.</p> <p>Optimum processing and drying temperature: +15 °C to +30 °C (applies to the substrate, Koralan® Beehive Protection Paint and the ambient temperature).</p> <p>Drying temperature: at least +5 °C.</p>

Application recommendations

For new, untreated wooden beehive parts, we recommend applying an undercoat with a wood preservative primer (e.g. water-based Koralan® Impregnation Primer) to external parts exposed to the weather. Internal sides of the beehive parts are not to be treated.

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.

Treatment of the internal beehive sides is generally not required due to the indoor climate regulated by the bees and the protective coating with Propolis in the beehives.

It is important to protect the freshly coated wood from rain until it is fully dry when applying the product outdoors.

Tool cleaning

Immediately after use with water and detergent.

4. Special Instructions

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

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

EUH210 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 product container or label at hand. Avoid skin and eye contact, wear suitable protective clothing (e.g. protective gloves, safety goggles). 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 containers 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 Sale and Delivery. We recommend that you make use of our technical advice in case of doubt.