



THE BEST FOR YOUR WOOD.

# Koralan<sup>®</sup>

## Futterzargen-Lack

(Koralan<sup>®</sup> Frame Feeder Varnish)

### 1. Product description

<b>Product type</b>	Water-based seal varnish. For surface sealing of frame and pocket feeders in bee-keeping. <b>Meets the requirements according to DIN EN 71-3 ("Safety of toys") as per Directive 2009/48/EC.</b>
<b>Protective effect</b>	Protects the frame feeder from moisture and dirt.
<b>Properties</b>	<ul style="list-style-type: none"><li>• Water-based</li><li>• Colourless</li><li>• Spreads easily, good flow properties</li><li>• Low odour, odourless after drying</li><li>• Quick-drying, with good open time</li><li>• Highly transparent, satin gloss</li></ul>
<b>Scope of application</b>	Colourless protective coating for wooden and polystyrene foam frame feeders, pocket feeders and hive bottoms.
<b>Shades</b>	Colourless
<b>Container sizes</b>	0.75 l   2.5 l

## 2. Technical data

**Density 20 °C** 1.03 g/cm<sup>3</sup>

**Viscosity 20 °C** Thin

**Drying** In a standard atmosphere (23 °C, at 50% relative humidity as per DIN 50014) and on normal wood types such as Scots Pine and spruce as well as polystyrene foam.

Dust-dry:	After approximately	1 hour
Touch-dry:	After approximately	2–3 hours
Recoat/sandable:	After approximately	6–8 hours

Drying times depend on the layer thicknesses and may also be longer for wood types that are rich in extractives.

In adverse weather conditions (air humidity, low temperatures, low air exchange), drying can be much slower with certain wood types.

To achieve rapid drying, ensure that there is sufficient air circulation.

## 3. Processing

**Preparation** Completely remove any old coatings. Sand wood in order to remove protruding wood fibres and attain a smooth wooden surface. Clean dirt and dust from wooden surfaces. New, planed wooden surfaces should also be sanded for improved material absorption (grain 80/120). Sharp edges should be removed and rounded. Wear a dust mask when sanding.

**Application quantity** Approximately 160 ml/m<sup>2</sup> in two coats

**Application methods** Painting, roller

**Application** Stir Koralan® Frame Feeder Varnish thoroughly before use. Apply undiluted with a brush or roller quickly in the direction of the grain.

For particularly dense surfaces, once treated lightly, sand and clean the surfaces with fine sandpaper in the direction of the grain after a drying time of approximately 6–8 hours. Then quickly apply a second coat.  
Wood moisture content must not exceed 15%.

Pouring: We recommend pouring approximately 400–500 ml of Koralan® Frame Feeder Varnish into the frame feeder and then rotating the feeder to ensure that the surface to be sealed is thoroughly coated. Allow excess varnish to run back into the container. Place the treated frame diagonally on its edge for approximately 20–30 minutes; then pour any excess varnish back into the container again. To ensure adequate protection, please carry out this process twice with appropriate drying periods in between.

**Optimum processing and drying temperature +15 °C to +30 °C (applies to undercoat, Koralan® Frame Feeder Varnish and ambient temperature).  
Drying temperature at least +5 °C.**

**Application recommendations** We always recommend applying a test coating first.  
Do not paint on surfaces that could become blocked.

**Cleaning the tools** Clean with water and detergent immediately after use.

## 4. Special instructions

<b>Label as per Regulation (EU) No. 1272/2008 [CLP]</b>	<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. May produce an allergic reaction.</p> <p>EUH210 Safety data sheet available on request.</p>
<b>Instructions for use and warnings</b>	<p>Inappropriate use can be harmful to health and the environment. Keep out of the reach of children. Avoid skin and eye contact, wear suitable protective clothing (e.g. protective gloves, goggles). Do not eat, drink or smoke while working. Keep away from food, drink and animal feed stuffs. If medical advice is required, keep the packaging or the label.</p>
<b>Storage and environmental protection</b>	<p>Do not discharge into surface water or the sewage system. Store only in the original containers. Close the container tightly after use.</p> <p><b>Do not store at temperatures below +5 °C or over +30 °C.</b></p>
<b>Disposal</b>	<p>Dispose of cleaning residue and partly empty containers properly (collection point for special waste). Put completely empty (drip-free) containers into receptacles for recyclable materials.</p>
<b>EWC/Waste Catalogue Ordinance (AVV)</b>	<p>08 01 20 – Aqueous suspensions containing paint or varnish apart from those covered by 08 01 19.</p>
<b>VOC content</b>	<p>According to Directive 2004/42/EC, the maximum limit value (VOC content cat. A/e) for this product is 130 g/l (2010). The product has a VOC content of &lt; 130 g/l.</p>

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.