



## Technical Detail Information:

### LIXUMPro - Beehive Protection Sealant

**LIXUMPro - Beehive Protection Sealant** is a vegan, odorless, transparent wood sealant. This product protects against various weather effects and offers immediate and long-lasting protection. Made from purely plant-based, high-quality active ingredients, **LIXUMPro - Beehive Protection Sealant** ensures your wood surfaces are cared for while preserving their natural structure.

This is the NEW generation: sustainable products inspired by future-focused concepts.

After intensive research, we have specifically developed **LIXUMPro - Beehive Protection Sealant** for all wooden components commonly used in outdoor beekeeping. This product optimally protects and cares for wood beekeeping components while ensuring neither the bee nor its behavior are negatively affected.

Depending on your needs, we offer the **LIXUMPro - Beehive Protection Sealant** for coating 2, 3, 5, 10, or 30 hives (DNB) in a quantity-matched manner.

**LIXUMPro - Beehive Protection Sealant** is an innovative and long-lasting protection system for your outdoor beekeeping needs.

**LIXUMPro - Beehive Protection Sealant 2 in 1 System:** Gives your wood components a transparent, colored design and natural wood protection against various weather influences. Guaranteed with the first coat!

#### Characteristics:

- ✓Compatible with bees, bee test according to OECD guidelines No. 213 and 214
- ✓Laboratory tested, eco-friendly, purely natural, vegan product
- ✓Free of pesticides (insecticides, fungicides, biocides, virucides etc.)
- ✓VOC/Solvent-free, made without plasticizers and thinners
- ✓No chemical dryers
- ✓Odorless
- ✓Only 1 coat necessary

- ✓Water resistant with a natural beading effect
- ✓Comprehensive protection by penetrating beneath the surface of the wood
- ✓Drip-free
- ✓Silk-matte surface, non-moisturizing
- ✓Highly thermoactive and water-repellent
- ✓Will not wash out
- ✓Protects against dehydration
- ✓Sealant will not flake or tear
- ✓Prevents wood from shrinking or swelling
- ✓Long-lasting protection
- ✓No chemical-synthetic ingredients
- ✓Integrated UV Protection

#### Suitable for:

(but not limited to)

Wooden components used in outdoor beekeeping

#### Made with:

Plant-based, high-quality active ingredients, with herbal and organic pigments

#### Color Options:

Colorless, yellow, orange, red, salmon-red, brown, burgundy, dark-brown, black-brown, blue, pigeon blue, gray, dark-gray, green, dark green, olive green

#### Durability:

Weather protection for up to 10 years.

Service life varies depending on wood construction, natural weathering, environmental influences and proper use. If used on surfaces that are heavily exposed to weathering, on surfaces which prevent adequate run off or surfaces which are constantly exposed to high levels of moisture, shorter reapplication intervals may be necessary.

#### Application Information:

The underlying surface must be stable, clean, solid, dry, free of grease and free of closed paint films.

Any soiling (including the above conditions) must be removed thoroughly.

Old, deteriorating coatings such as thick-layer glazes or topcoats should be sanded down.

Closed thick-layer glazes or plastic-elastic coatings cannot be painted over.

Ensure wood surfaces are clean before use.

The material compatibility must be checked in advance by means of a test coat.  
Thoroughly stir contents before use!

**Application Information Continued:**

Only 1 coat required!  
Apply thinly with the enclosed sponge or soft brush in the direction of the grain.  
Apply the glaze generously in joints / crevices.  
Doesn't drip. Very economical!  
**LIXUMPro - Beehive Protection Sealant** will not drip.  
Our products are the economical choice!

**Recommended Use:**

Approx. 30 ml / sqm. Depending on the underlying substance (i.e. when used on planed wood, rough sawn wood or at low temperatures), consumption may vary.

The optimal processing temperature is above or equal to 20 ° C.  
This product can also be used at temperatures below 10 ° C; at these temperatures the drying times will be longer.

In order to ensure adequate protection, moisture content should not exceed 12% for coniferous wood and 15% for hardwoods.

**Specific weight - density:**

0.90-0.92 g / cm<sup>3</sup>

**Dilution:**

Do not dilute!  
LIXUM products are ready to use.

**Drying:**

Drying time will vary depending on the ambient temperature and the surface conditions. Allow approx. 12-72 hours. For example, high humidity or low temperatures will extend the drying time.

If **LIXUMPro - Beehive Protection Sealant** has not been completely absorbed into the wood after this period, possible causes may be, but are not limited to; material being applied in excess or that the underlying surface contained a higher level of residual moisture. Any residues must be wiped off several times (if used for seating purposes) or left to weather off.  
The specifically integrated plant characteristics (i.e. genetic commands) used in our products require warmth, sun, and sufficient air circulation to ensure all natural properties can fully emerge.

If used indoors or in areas without adequate air circulation the drying time increases significantly and may lead to an insufficient result!

Optimal air circulation / drying is only possible outdoors!

The application and the drying behavior of this product are not comparable with conventional glazes or varnishes (solvent-based).

**Cleaning of Tools:**

Clean application tools with warm soapy water.

**Shelf life:**

Product can be stored indefinitely. Keep product away from areas possibly exposed to frost.

**Disclaimer:**

In order to achieve a perfect result, the products must be carefully processed in accordance with the instructions for use on the containers and data sheets.

The service life of our products can be influenced depending on the area of application, environmental conditions and wood quality.

Since optimal application results depend on many factors that are outside our area of responsibility; our suggestions for the use of our products are to be regarded as non-binding recommendations. They are based on our level of knowledge and our experience, but do not release the user from his duty of care and may have to be adapted to the respective application or ambient conditions and the work equipment used. We exclude any guarantee if the consistency of our products is changed or mixed with products from other manufacturers.

We reserve the right to make technical changes to the products and their packaging. Our general terms and conditions apply.

The requirements of the Organic Regulation (EC) No. 834/2007 on organic production are met.