

Koralan[®]

GL 220

1. Product Description

Product type	Protective primer to protect against blue stain for the industrial coating of wooden elements for outdoors.
Protective effect	Provides preventative protection from blue stain (in accordance with EN 152) and mould infestations (in accordance with EN 15457). Approved biocidal product as per Regulation (EC) 528/2012.
Active ingredients	100 g contains: 0.95 g IPBC
Properties	<ul style="list-style-type: none">• Enhances the durability of subsequent coats• Low odour, odourless after drying• Easy to handle• Fast drying• Block-resistant• Easy to sand
Application area	Ideal for the treatment of coniferous wood outdoors without ground contact, which is then to receive a final decorative coating of biocide-free scumble, paint or varnish (e.g. exterior cladding, gates, pergolas, windows, exterior doors).
Shade	Colourless
Container sizes	20 l 120 l 1000 l

2. Technical Data

Density 20 °C	Approx. 1.02 g/cm³						
Viscosity 20 °C	10 ± 3 sec. (4 mm DIN tub)						
Drying	<p>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.</p> <table><tr><td>Dust-dry:</td><td>after approx.</td><td>1 hour</td></tr><tr><td>Sanding/recoating:</td><td>after approx.</td><td>2 hours</td></tr></table> <p>The drying times may be longer with wood rich in tanning agents. Apply subsequent coats of scumble, paint or varnish after approx. 6 hours at the earliest in normal ambient conditions, but within 4 weeks.</p> <p>Low temperatures as well as increased humidity may slow down drying.</p>	Dust-dry:	after approx.	1 hour	Sanding/recoating:	after approx.	2 hours
Dust-dry:	after approx.	1 hour					
Sanding/recoating:	after approx.	2 hours					

3. Processing

Preparation	Clean the surface of the wood. The surface of the wood must be free of dust and grease.
Application quantity	Approx. 120 -140 ml/m ²
Application method	Spraying in closed systems (spraying tunnel method), applying with a brush, dipping, flooding, applying with a power painter, VACUMAT®
Application	<p>Koralan® GL 220 is ready for use. Stir well before use. Apply the product undiluted.</p> <p>Optimum processing temperature: +15 °C to +30 °C (applies to the substrate, Koralan® GL 220 and the ambient temperature). Drying temperature: at least +5 °C</p> <p>The wood moisture content must not exceed 15%. 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>

Application

We recommend that you always apply a trial coating.

Apply a second coat after 2 hours at the earliest (in normal ambient conditions). Only use the product with a suitable top coat. Only use the product with a suitable top coat. This may not have a biocidal function and should be regularly maintained. Provide good aeration and internal ventilation when processing the product. Keep windows and doors open.

Spraying in closed systems (spraying tunnel method), automatic dipping, flooding, power painter, Vacumat®

Supply the product through closed connecting lines. Only use in closed spray chambers in order to avoid the formation of aerosols. The biocidal product may only be used for fully automated dipping processes, where all treatment and drying steps are mechanised and there is no manual handling. After the protective treatment, the treated wood must be taken to a storage area with a forklift truck for drying.

Manual dipping

A dosing pump must be used to transfer the product.

Tool cleaning

Immediately after use with water and detergent.

4. Special Instructions

Labelling in accordance with Regulation (EC) No. 1272/2008 [CLP]

Warnings:

H412 Harmful to aquatic life with long lasting effects.

Safety instructions:

P102 Keep out of reach of children.

P273 Avoid release to the environment.

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

Supplemental hazard information:

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. May produce an allergic reaction.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

First aid instructions

General information: Change soiled and contaminated clothing. Seek medical advice in case of doubt or if symptoms occur, have the packaging or label at hand. Never give anything by mouth to a person who is unconscious or having convulsions.

After inhalation: Move the casualty to fresh air and keep them warm and rested. Provide fresh air.

In case of skin contact: Wash immediately with plenty of soap and water in case of contact with the skin. Consult a doctor if skin reactions occur.

After eye contact: Rinse immediately and thoroughly with an eye wash or water. Contact an ophthalmologist in case of eye irritation.

After swallowing: Do NOT induce vomiting. Rinse mouth thoroughly with water.

Instructions for use and warnings

Wood preservatives contain biocidal active ingredients to protect the wood against plant and/ or animal pests.

Therefore, please only use them as per the instructions for use and only in places where the wood needs to be protected.

Misuse may cause health problems and lead to environmental damage.

Wood preservative should not be used on wood that is intended to come into direct contact with food or animal feeding stuffs.

Likewise, do not use it to treat beehives, greenhouses (internally) and saunas (internally).

When using do not eat or drink.

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.

Avoid skin and eye contact; wear suitable protective clothing, e.g. protective gloves, safety goggles.

The "Technical Data Sheet for Handling Wood Preservatives" published by the German Association of Construction Chemicals Manufacturers (Deutsche Bauchemie e.V., Karlstrasse 21, 60329 Frankfurt/Main), provides comprehensive information.

Risk minimisation measures:

Avoid skin and eye contact. Use gloves (butyl rubber, NBR (nitrile rubber), thickness 0.4 mm) as well as a suitable chemical protective suit (impermeable protective suit, type 6 as a minimum, EN 13034) when handling freshly treated wood and carrying out maintenance on the system. Wash hands and exposed skin before meals and after use. Do not contaminate food, crockery or surfaces that come into contact with food or animal feed. The use of the wood preservative in a stationary system may only take place under cover on a hard impermeable surface over a collection tray. Surplus preservative and dripping product losses must be collected in the immediate vicinity of the system and disposed of properly or fed back into the operation of the system.

Recently treated wood is to be stored under cover and/or on a hard impermeable substrate in order to prevent the release of dripping product residues and contaminated rainwater into the soil and waterways. Dripping product residues and contaminated rainwater are to be collected, disposed of properly or fed back into the operation of the system.

Storage and environmental protection

Observe the statutory provisions for keeping ground water, surface water and air clean when storing and processing wood preservatives.

Only store in original containers!

Seal containers tightly after use.

The product is toxic to fish and other aquatic life.

Do not empty into surface waters or drains.

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

03 02 05 - Other wood preservatives containing dangerous substances.

VOC content

The maximum value (VOC content) for this product must be 30 g/l from 2010 as per Directive 2004/42/EC. The VOC content of this product in a ready-to-use condition is < 30 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.