



THE BEST FOR YOUR WOOD

Koralan®

EL 411

1. Product description

Product type	Acrylate-based wood scumble for coating timber indoors and outdoors, such as glued laminated timber.
Properties	<ul style="list-style-type: none">• Dirt-repellent• Water-repellent• Block-resistant• Quick-drying• Low-odour, odourless after drying• Can be overpainted• Easy to work with
Scope of application	Indoor and outdoor timber/glued laminated timber requiring protection against dirt and moisture.
Shades	Colourless; further shades available upon request
Container sizes	20 l 600 l 1000 l

2. Technical data

Density at 20°C Approx. 1.04 g/cm³

Viscosity at 20°C Thixotropic

Drying In a standard atmosphere (23°C at 50% relative humidity as per DIN 50014) and on normal wood types such as pine and spruce:

Dust-dry:	After approximately	1 hour
Sandable/recoatable:	After approximately	2 hours

Low temperatures and increased air humidity slow down drying.

3. Processing

Preparation Clean wood surface. The wood surface must be free of dust and grease.

Application quantity Approximately 140–160 ml/m² in one to two coats

Application methods Spraying (airless, AirCoat)

Application Check the shade before large-scale use. We generally recommend a trial coat.

Stir Koralan® EL 411 thoroughly before use.

Apply Koralan® EL 411 undiluted.

Optimum application temperature: +15°C to +30°C (applies to substrate, Koralan® EL 411 and ambient temperature).

Drying temperature: at least +5°C.

Wood moisture content must not exceed 15%.

Wood in outdoor areas will require an undercoat with a preservative primer containing active ingredients. We recommend Koralan® GL 220 (water-based).

When pre-treating wood with a solvent-based wood preservative (e.g. Koranol® Primer Colourless), observe a drying time of at least three days in a standard atmosphere.

Pressure treatment with an officially approved wood preservative is required for protecting load-bearing or bracing structural elements in accordance with DIN 68800-3. The intrinsic colour of this wood preservative may affect the chosen scumble shade.

Cleaning the tools Clean with water and detergent immediately after use. Dispose of cleaning residue correctly and do not store temporarily in the system (risk of microbial infestation).

4. Special instructions

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

Signalword: Warning

Hazard statements:

H317 May cause an allergic skin reaction

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P362+P364 Take off contaminated clothing and wash it before reuse.

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

Supplemental hazard information:

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

Hazardous ingredients for labelling:

2-methyl-2H-isothiazol-3-one; 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); 3-iodo-2-propynyl butylcarbamate

**Instructions for use
and warnings**

Inappropriate use can be harmful to health and the environment. Spray mist may be hazardous to health and the environment. Avoid skin and eye contact, wear suitable protective clothing (e.g. protective gloves, goggles; respiratory protective equipment in the case of spraying). Do not eat, drink or smoke while working. Keep away from food, drink and animal feed stuffs. Keep locked away and out of reach of children. In case of accident, if you feel unwell or if you swallow the product, seek medical advice immediately and show the packaging or label. After working, wash your face and hands thoroughly with soap and water.

**Storage and
environmental
protection**

When storing and processing, follow the statutory regulations on pollution control of groundwater, surface water and air. Store only in the original containers. Close the container tightly after use.

Do not store at temperatures below +5°C or over +30°C.

Disposal

Dispose of cleaning residue and partly empty containers properly (collection point for special waste)

**EWC/German Waste
Catalogue Ordinance
(AVV)**

08 01 19 – Aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances.

VOC content

According to Directive 2004/42/EC, the maximum permitted limit value (VOC content cat. A/e) for this product is 130 g/l from 2010. The VOC content of this product in the ready-to-use condition is <130 g/l.

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.