

Sustainability data sheet
KORALAN® UL 110

1. Product description

Wood coating based on natural oils for industrial coating of wooden elements.

Water-based wood coating based on natural oils for industrial coating of wooden elements for outdoor applications, e.g. fences, privacy screens, decking wood, and pressure-treated garden wood (KVD impregnated).

2. Eco-labels and certifications


- Labeled with the French VOC label A+ for very low-emission building products



- Registered with DGNB registration code: F70S3I



- QNG and BNB compliant



- Listed in baubook



- Fulfils the requirements of DIN EN 71-3 ("Safety of toys") in accordance with Directive 2009/48/EC

3. Ingredients

Product code / GISCODE	BSW30
VOC according to Blue Angel criteria (DE-UZ 12a)	Compliant
VOC according to French regulation	Emission class A+
VOC according to DIBt/AgBB principles	Compliant

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VOC content (Directive 2004/42/EC)	<25 g/l
Dilutable with water (gem. RL2004/42/EG)	Yes
Active substances for storage protection (in-can preservative, product type 6)	Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) 1,2-benzisothiazol-3-one 3-iodo-2-propinyl butylcarbamate
Active substances for coating protection (coating protection agent, product type 7)	No formula component
Active Ingredients for Wood Preservation (Wood Preservation, Product Type 8)	No formula component
Aromatic hydrocarbons	No formula component
Plasticiser content according to VdL-RL 01	No formula component
Hazardous ingredients according to CLP regulation	No formula component
Lead, cadmium, chromium VI	No formula component
CMR substances of categories 1A and 1B	No formula component
PBT and vPvB substances	No formula component
Ozone-depleting substances	No formula component
Formaldehyde / Formaldehyde depot substances	No formula component
Boron compounds toxic to reproduction ≤ 0.1%	met
Compliance with the limitation of emissions of the titanium dioxide industry according to Directive 92/112/EEC and/or Directive 2010/75/EU	met

4. Information on building certification according to DGNB

Suitability for DGNB criterion ENV 1.2 (2023) "Risks for the local environment"

Product group No. 1	Coatings on non-mineral substrates: Metals, wood, plastics
Product type	Decorative liquid coatings: paints/wood stains with primers. Excludes effect coatings (e.g. metallic paints)
DGNB quality level	QL 4

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5. Information on building certification according to QNG

Annex document 3.1.3 Avoidance of harmful substances in building materials (as of 28 July 2023)

Building product group 6.1	On-site coatings on wood, metal and plastic in indoor and outdoor areas
Building products to be verified	All decorative coatings (1K and 2K systems) including primers and wood scumbles: Steel beams, sheet steel doors, interior doors, door frames, banisters, heating pipes, timber construction elements (beams, posts, transoms, purlins, etc.), timber panelling, façade cladding, etc. - except floor coverings
Substances analysed	VOC / hazardous substances / heavy metals (lead, cadmium, chromium VI)
Regulations / reference standard	VOC according to 2004/42/EC, 1907/2006/EC, DE-UZ 12a
QNG requirements for the avoidance of hazardous substances	
VOC ≤130 g/ml (water-based formula)	met
No pigments and siccatives based on lead, cadmium and chromium VI compounds	met

6. BNB Sustainability Assessment

BNB_BN 1.1.6 Criteria Profile “Risks to the Local Environment,” Appendix 1 (as of September 28, 2017)

Position 3a	Coatings on non-mineral surfaces for indoor and outdoor use: metals, wood, plastics
Construction Products Subject to Verification	Surface coatings applied on-site and factory-applied surface coatings, unless documentation in accordance with BIMSChV or TA-Luft is provided. Paints, glazes, and stains, including primer coats (in accordance with Decopaint Guidelines, Categories D, E, and F)
Substances Considered	VOCs / hazardous substances / heavy metals (lead, cadmium, chromium VI)
BNB Quality Level	QN 5

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KORALAN® UL 110**7. Influencing the Fire Behavior of Solid Wood Elements**

The fire performance class of D-s2 d0 for wall and ceiling cladding made of solid wood*, as specified by Commission Delegated Regulation (EU) 2024/1399 of November 10, 2023, remains unchanged when the surface is treated with Koralan weathering glaze.

** This was tested, for example, on a structure made of profiled solid wood elements with tongue and groove joints, using spruce. We would be happy to provide you with further information.*

8. Quality and environmental management

Our products are synonymous with the highest quality. We have been certified to DIN EN ISO 9001 since 2004 and have met the requirements of the environmental management system according to DIN EN ISO 14001 since 2021.

100 percent of our electricity comes from renewable energy sources, 20 percent of which we generate ourselves directly at our site. We select our energy provider based on certified green electricity tariffs, including those with the “Grüner Strom” label.

We carefully select our suppliers and business partners, taking into account environmental, social, and ethical criteria. The underlying requirements are enshrined in our Supplier Code of Conduct (CoC).

As a member of the German Sustainable Building Council (DGNB), Europe’s largest network for sustainable construction, we underscore our commitment to quality, responsibility, and sustainable solutions in the construction and real estate industries.

**9. Place of production**

Kurt Obermeier GmbH
Berghäuser Straße 70
57319 Bad Berleburg
GERMANY

Disclaimer

This data sheet has been compiled based on the latest state of the art and our experience. However, in view of the diverse requirements of building certification programs, the purchaser/user/designer is not relieved of the obligation to independently verify, at their own responsibility, whether our assessment is suitable for the intended certification system and its respective requirements. This data sheet is valid only in its latest version and in conjunction with the current Technical Data Sheet and the Safety Data Sheet.

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Please verify that this version is up to date on our website, if necessary.

The raw materials used in the manufacture of our products are technical-grade raw materials and may therefore contain process-related additives and impurities. Testing this composition is not part of our quality management system. Due to the diversity of the raw materials used, unintentionally added substances (NIAS) cannot be completely ruled out. The information has been compiled to the best of our knowledge and belief and is based on data provided by the raw material manufacturers. Kurt Obermeier GmbH is under no obligation to update this information on a regular basis. The customer is responsible for complying with regional and national legal regulations; the respective legal and country-specific restrictions on use must be observed.