



eukula[®]
WOOD.FLOOR.LOVE

eukula free 442

1. PRODUCT DESCRIPTION

Innovative waterbased twocomponent polyurethane lacquer based on carbodiimide crosslinking for the longterm protection of floors. For lacquering primed wood and cork floors.

- Low emissions, because free of solvents (<1.0 g/l).
- No labelling obligation, because of no isocyanate.
- Especially low odor. Based on modern amine-free aliphatic urethane dispersions.
- Reinforced by ceramic and plastic.
- Easy to use.
- Fire classification in accordance with EN 13501: Oak treated with the product and glued to screed from a thickness of 8 mm is flame retardant according to EN 14342 with the parameters specified therein in accordance with fire class C(fl)-s1.

Available gloss grades (60°):
mat

Primer options:

- eukula classic prime 200.
- eukula G 200 A as a solventbased blocking primer for woods with ingredients interfering with the lacquer, for example some tropical woods.

2. APPLICATION

Shake up well. Mixing ratio 10:1. Mix Crosslinker carefully and evenly into the base lacquer, mix again after a maturing time of approx. 10 minutes. Do not mix more than is consumed within 2 hours. Apply evenly and generously with a eukula roller at a minimum temperature of 15 °C Sand between coats with 120 grain sanding disc.

Please note:

- If necessary, after mixing in the crosslinker use the canister sieve provided before pouring out. As well as coarse filtering this slows down the poured amount and thereby simplifies getting the right dosage.
- Clean tools with water. Hardened coating residues can only be removed mechanically. We always recommend the use of new dry paint rollers.
- The temperature of the floor and material must not fall below +15°C during application and drying time. Ideal conditions are in the range of 18-25 °C.
- The technical rules are to be observed.



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3. CONSUMPTION

approx. 120-130 ml/m² per coat (8 m²/l). Two coats are recommended.

An additional coat is recommended for areas subject to heavy traffic.

Apply thick layers for a good flow and uniform surface appearance and good protection. More product might be needed on rough or absorbent surfaces.

4. DRYING TIME

Can be carefully walked on, or worked on again after the water has evaporated (1- 3 hours) . Can be used with caution 12 hours after the last layer has dried. Able to withstand moderate strain after 24 hours. The product is completely resistant after 3 days.

The surface must not be wiped with a damp cloth during the first three days Refrain from placing rugs in the first 10-14 days. Carefully place the furniture.

General advice on drying and layer sequence

- Low temperatures, increased air humidity and poor ventilation can significantly extend the drying time.
- In order to avoid excessive swelling of the wood, we recommend only applying one coat by roller of water-based lacquer per day.
- In order to remove the water, accelerate drying and reduce moistening the wood we recommend using the Dr. Schutz drying fan TGI.
- An accelerated drying also reduces wood moistening and with it associated problems.

5. CLEANING & MAINTENANCE

After complete hardening use eukula clean for cleaning and eukula care to protect the floor. The eukula-care instructions apply to sealed/coated wood floors according to German norm DIN 18356.

6. STORAGE

Protect from frost. Store in a cool dry place. Shelf life in unopened original containers from date of manufacture: 12 months. Note the imprinted date of manufacture.

Keep out of the reach of children.

If stored in changing temperatures and in opened canisters, dry particles can form. Filter these out with a sieve before using.



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7. TECHNICAL DATA

Ingredients: water / polyurethane / glycol ether / silicic acids / waxes / additives / Polycarbodiimide / Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Decopaint 2004/42/IIA(j)(140)140 / GISCODE W1 (1K-water-based sealer, VOC free) (Germany)

ADR/RID: Not a dangerous good as defined by transport regulations.

CLP/GHS: Base lacquer: no labelling obligation. UFI: MH31-N07M-N00Y-R4C2 Crosslinker Free no labelling obligation. UFI: 5M31-40X0-Y00F-EFX4

Further information on labelling and on safe handling can be found in the current Safety Data Sheet.

Even when using low-pollution products, the usual safety measures are to be observed. Keep away from children. Completely emptied containers can be disposed of with household waste or with the collection of recyclables.

8. SPECIAL NOTES

- Please pay attention to the printed batch number. Only use products with the same batch number in one layer. In the case of different batches, mix these in a separate container before using.
- All indications based on 23°C/50% rH/ 3-fold change of air per hour. Existing conditions can vary and account for different results. Reference wood: oak.

9. CROSS-REFERENCE

Our following publications in their updated form are valid as an integral part of this fact sheet:

- General notes on the application of eukula finishes.
- Safety Data Sheet available on request.
- (*) Please pay attention to Technical Information 102 "Notes on building up oil-waterbased lacquer combinations".

www.eukula.com / The quoted printed matter, as well as this Product Information in its updated form, is available on our homepage or on request from the address quoted below.



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The above advice for technical application is given to the best of our knowledge and according to the latest state of technology. Therefore, if our products are used carefully heeding the advice given on their application, as well as following our suggested procedures with the materials intended for use with these products, no damage shall occur. However, our products are used outside and beyond our possible control, and are therefore subject to your own responsibility, which does not release you from the obligation to check for yourself whether our supplied products are suitable for your intended purpose and procedure. Therefore our notes and advice are not legally binding and cannot be used against us as grounds for liability – which includes the rights and protection of any third party. The relevant recommendations, guidelines and standard norms are to be observed, as well as the recognized technical



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rules. On publication, this product information replaces and supersedes the validity of any previous versions.