

AQUASEAL® GREENSTAR

Description

AQUASEAL® GREENSTAR is a two-component, waterborne, premium-class finishing product for hardwood floors. It is based on polyurethane with excellent resistance and universal applicability. Although it is two-component, the product (including the hardener) is completely free of hazard labelling and emits no CO₂ gas during reaction. Also, the product offers an extremely long pot life of **18 h** minimum. Thanks to its special properties and elasticity, the product is approved for cork floors and also achieves outstanding chemical resistance values. AQUASEAL® GREENSTAR was tested in accordance with DIN 51 130 and meets the slip resistance requirements of rating R9, R10 and R11. The suitability for sports floors is certified by test certificates to DIN 18032-2 and EN 14909.

Certificates / Approvals



Giscode:	W2+
Emicode:	EC1
AbZ-Nr.	Z-157.10-47
FIBA:	matt/ultramatt
Safety of toys:	DIN 71-3
Saliva and perspiration authentic:	DIN 53160
Suitability for sports floors:	DIN V 18032-2
Suitability for sports floors:	DIN EN 14904
Slip resistance:	DIN 51130/DGVU 108-003 / R9 With AQUASEAL ANTI-SLIP ADD: R10/R11
Fire class:	Cfl-s1 according to DIN EN 14342 if the wood is Cfl-s1 certified and up to 100 g/m ² of varnish has been used.
BvB:	listed
ATFA:	Compliant
NWFA:	Compliant
MFMA:	Compliant
Breem:	Compliant

Degree of gloss (measured at 60°)*

Ultramat	(< 10)
matt	(10-20)
semigloss	(30-40)
gloss	(>80)

Special advice

In order to reduce the risk of edgebonding, AQUASEAL® ExoBloc, AQUASEAL® FLEXPRIMER or CLASSIC BASEOIL can be used as primer alternative. The use of SOLVSEAL UNIQUICKPRIMER is also possible.

Application

AQUASEAL® GREENSTAR is mixed shortly before use, 10:1 with AQUASEAL® GREENSTAR Härter (hardener) in the combo can or in the BERGERTOOL MixBox. Mix well immediately after adding

the hardener. Give the mixture 10 minutes to rest, to obtain optimum usability. The mixture is good for **18 h** (open time). Recommended standard structure: 1x AQUASEAL® EXOBLOC then 2x AquaSeal® GreenStar. This is the best possible setup, especially in critical cases. A full build is achieved with 3 roller applied coats or two coats over one of the above-mentioned primers. Coating some wood species such as beech, maple and ash is to be done by roller and shall not be trowelled!

Special tips

Contrary to conventional solvent-based finishes, AQUASEAL® GREENSTAR finishes should be applied in rich layers. The material should not be spread too thinly with the roller. A coloured design with AquaSeal® SportMarking COLOR is possible.

Drying

In order to avoid excessive swelling pressure, we recommend only one roller application of the coating per day so that the wood has sufficient time to release the absorbed water. The coating in general, can be sanded and carefully walked on after about 2-3 hours (15-23°C/40-65% rel. humidity). Insufficient ventilation, low temperatures, high humidity or thick coats may delay drying considerably.

Under standard conditions the finished floor can be put to use after 48 hours. Do not cover with carpets or apply care products for 7 days.

Consumption

Depending on wood surface and method:

1 trowel coat when trowelling between coats:
approx. 30ml/m² or approx. 35 m²/l

1 roller/brush coat:
approx. 100 ml/m² or approx. 10 m²/l (350-550 sf/gal)

Storage / transport

Shelf life of original unopened packing min. 18 months, provided that the material is transported and stored at a cool and dry place protected from freezing. Started hardener cans must be air-tight sealed after use.

Safety Precautions

May cause skin and eye irritation. May be harmful if swallowed.

Avoid skin or eye contact and inhalation of vapors. Use with adequate ventilation. Wash thoroughly after handling. Keep unmixed containers closed. Keep out of reach of children. Residual quantities should not be poured into sewage water drains, but disposed of in compliance with local, state and federal regulations.

Prefinished engineered flooring

AQUASEAL® GREENSTAR adheres well to many prefinished engineered flooring products, but because of the multitude of these products no conclusive general statements can be made. Generally, individual adhesion tests should be conducted with each brand of flooring. In prior tests it has proved beneficial, prior to coating, to thoroughly clean the floor with BRILLIANCE CLEANER L94 wax remover and

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thereafter to damp mop the floor with clean water; after the floor has dried it shall be screened carefully with grid 120 to provide a matt surface. Please also refer to our Technical Special Information No. 05.

General remark

Please read the instructions carefully before applying this product. This Berger-Seidle product must be applied by a qualified timber flooring contractor, for whom this manual is intended. The activities shall be carried out in accordance with the standards applicable to the trade and regulations of the country in which the product is used. The customer must be informed about the cleaning and care requirements of the product. Any use that does not conform to the scope of Berger-Seidle's application is considered improper. The improper use and non-compliance with the instructions in this information

sheet, largely the responsibility of the person using the product, will void the manufacturer's liability and warranty. Before using the product, the general conditions for use must be thoroughly checked and understood.

Cross reference

The following Technical Data Sheets should be read in conjunction with this data sheet:

- General instructions of use for hardwood floor finishing products
- Cleaning and maintenance of finished/oiled floors
- TSI Nr.: 024 Using glossy water-based paint systems
- Identification and safety instructions (SDS)

* The degree of gloss depends on the method of application, the substrate and the room climatic conditions.

**If the content of the Technical Data Sheet differs from other printed material, e.g. labels, the current version of the Technical Data Sheet on the homepage is always deemed valid. Printed material is always adapted when reprints are made.