

Vir-O-Bac Sealer

1. PRODUCT DESCRIPTION

Special waterbased 3 part polyurethane lacquer. Permanent surface finish for the long-term protection of floors. Has an antibacterial (tested based on EN 13697) and antiviral (tested based on EN 16777) effect. For use after installation or renovation of floor coverings. For use in the healthcare sector and in other building situations where increased hygiene is required. Suitable for areas subject to heavy wear mechanical stress. For professional use only.

- Recommended in healthcare for cleanability and optimal disinfection. Fulfills requirements of TRBA 250 and DIN 13063.
- The antimicrobial and antiviral surface coating helps to optimally close the hygiene gaps.
- Also ideal for killing multi-resistant germs.
- Reduces dirt adhesion and the time needed for day-to-day maintenance.
- Suitable for sports floors, tested according to EN 14904
- High wear resistance. Excellent elasticity. Good resistance against colorless chemicals.
- Based on high-quality aliphatic urethane dispersions No yellowing.
- Excellent flow and adhesion Easy and safe to apply.

Available gloss grades (60°): satin (10-20) / mat (5-10)

Substrates:

- PVC / LVT with firm adhesion to the substrate. (**)
- Linoleum
- Caoutchouc / rubber
- Epoxy leveling coatings / PU cast floorings
- Wood and cork floors after priming. Primer options: eukula classic prime 200 / G 200 A / eukula oil 1+FS, 2K with eukula master FS / eukula color oil FS, 2K with eukula master FS.
- On sanded concrete after priming with Concrete Prime.
- After treatment of the substrate with Dr. Schutz PU Color.

The suitability for safety floorings, more structured surfaces and studded floors must be clarified in advance on a project-specific basis. Please take note of our specific floor finishing instructions under www.dr-schutz.com.

The combination with Dr. Schutz Adds is possible and extends the range of application:

- Duro Plus L Add leads to an increased matting and a harder surface.
 - R10 Antislip Add results in a significant anti-slip effect.
 - R11 Antislip Add structures the surface leading to a high slip resistance.
 - Decelerator Add extends the working time on the surface.
 - Flex Add for soft PU cast coatings and other more point-elastic substrates with Shore D < 60
- The product information of the above-mentioned products also applies.

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2. APPLICATION

Shake up well. Add Vir-O-Bac Additive (1%) to the base lacquer while stirring. 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. Mixing ratio 10:1. Apply evenly using the Dr. Schutz Aquatop roller at a temperature of at least 15 °C to the substrate prepared for the application (refer to our Technical Information "Basic cleaning of substrates").

Please note:

- The substrate must be properly prepared. It must be sound, free from residues of care products and loose coating layers and be in a abraded, clean, dry condition, free of oil, wax and dust. (*)
- 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.

3. CONSUMPTION

2 coats of 50 ml/m² per coat on non-absorbent but porous and more heavily abraded surfaces. (Example: open-pored linoleum, worn coverings in the renovation process).

1 coat of 100 ml/m² on non-absorbent, non-abraded substrate. (Example: resealing of new coverings with intact factory finish).

2 thick coats of approx. 100 ml/m² (10 m²/l) per coat on absorbent substrates (wood, concrete, screed floor) after proper priming.

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. About 80% of the wear resistance is already reached after 24 hours. The product is completely resistant after 3 days. If left to dry for more than 48 hours before a second application, the surface must be fully abraded.

Please note:

- Low temperatures, increased air humidity and poor ventilation can significantly extend the drying time.
- The evaporation of water can be accelerated by ventilation. We recommend our Dr. Schutz TG1 drying fan.
- The area should not be wet-mopped in the first 3 days afterwards.
- Refrain from placing rugs in the first 10-14 days. Carefully place the furniture.
- Working with adhesive tape for the further treatment of the surface is possible one day after drying. For this purpose we recommend Dr. Schutz Pro Tape.
- Covers for protection during further work should be applied after 3 days at the earliest. We recommend the breathable and slip-protected Dr. Schutz Protect Fleece.

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5. CLEANING & MAINTENANCE

Once the hardening is complete, use Dr. Schutz PU Cleaner for day-to-day cleaning. PU Cleaner / Disinfectant Cleaner .

In areas where conventional maintenance is not carried out due to high resistance requirements and to maintain specific surface properties, signs of wear such as scratches or discoloration might make a partial or complete restoration of the coating layer through a renewed coating application necessary as a maintenance measure. We always recommend renovating in closed off partial areas.

Preventive measures (e.g. entrance mats or zones) are required in areas of strong wear and tear (e.g. chair castors, sand, ...). These areas require intensive maintenance or an early restoration depending on the extent of the damage.

Please take note of our specific floor care guides under www.dr-schutz.com.

6. STORAGE

Protect from frost. Store in a cool dry place. Keep out of the reach of children.

Shelf life in unopened original containers from date of manufacture: 12 months. Note the imprinted date of manufacture.

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

7. TECHNICAL DATA

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

Decopaint 2004/42/IIA(j)(140)140 / GISCODE W3/DD+ (2 component waterbased lacquer, VOC 5-15%, NMP-free)

ADR/RID: UN3092

CLP/GHS: Base lacquer: no labelling obligation. UFI: UK21-20N8-900H-GCXC satin / AR21-3011-W00H-T23G mat

Crosslinker G/M: GHS07, Warning. Contains isocyanates. May produce an allergic reaction. UFI: E8F0-60AX-D005-NJTU Crosslinker M

Vir-O-Bac-Additiv : GHS02, Warning. UFI: 7JXW-98YF-V000-A5KR

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

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- Mixed twopart products can develop carbon dioxide and pressure. Never close twopart mixtures tightly, danger of bursting!
- 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.
- Coloured products (e.g. hair dyes, coloured disinfectants for wounds) as well as plasticizer migration (e.g. from rubber) can lead to the irreversible discoloration of the coating. Prior to reaction, protect it using covers. Remove stains as quickly as possible.
If resistance to disinfectants and dyeing products is required for specific areas, we recommend appropriate preliminary tests with the products used on site.
- In case of an underfloor heating system, follow the instructions of the flooring manufacturer.
- The suitability of floating floor coverings must be determined in view of the process and the water used.
- If adhesive tapes are intended for a longer period on the floor, do not affix them until at least 7 days after hardening. We recommend tapes with the lowest possible adhesive strength. When tapes are walked on, this can lead to them sticking so strongly that they can no longer be removed without causing damage, especially if they have been affixed for a longer period. It can also cause residues of the adhesive to remain on the surface after removing the tape, which then require using solvents, possibly causing damage to the lacquered surface. In such cases a further lacquer coat is recommended after proper preparation.
- Light decomposable substrates (EP, rubber) can degrade under a clear coat in areas that are strongly exposed to light, which can occasionally lead to loss of lacquer adhesion. In this case we recommend lightproof coating with PU Color.
- (**) Application on chlorine-free vinyl floor coverings, so-called polyolefin floor coverings, cannot be guaranteed.

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 Dr. Schutz surface products.
- Safety Data Sheet available on request.
- (*) Please pay attention to our Technical Information 002 „Preparation of subsurfaces“.
www.dr-schutz.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 rules. On publication, this product information replaces and supersedes the validity of any previous versions.