



ESD Color Base 2020

1 PRODUCT DESCRIPTION

Pigmented special highly conductive waterbased 2 part polyurethane sealer for the long-term protection of conductive PVC and epoxy resin floorings prior to finishing with Dr. Schutz ESD Topcoat.

- With high horizontal and vertical conductivity for the renovation of conductive floorings.
- Fulfills the requirements of EN 61340-5-1, ANSI/ESD S20.20 (IEC 61340-4-1,4-5, ANSI S7.1, ESD STM97.1) as well as the requirements for explosion prevention areas according to TRBS 2153.
- Hardwearing sealer film, good elasticity and good resistance against colorless chemicals.
- Only for professional users.

- Easy and safe to apply with excellent adhesion.
- High solid content.

Certified for conductivity by GOD-MIN Mernoki Kft.- GOD-MIN Laboratory, Hungary.

Standard color shades: based on RAL

7001 Silver Grey

3000 Flame Red

7030 Stone Grey

5015 Sky Blue

7032 Pebble Grey

6018 Yellow Green

7035 Light Grey

7038 Agate Grey

Other shades on request. RAL numbers only serve for orientation. The exact color point might differ slightly and is dependent on application and topcoating.

2 SUITABLE FOR

Conductive PVC and Epoxy Resin floorings with a plain structured surface.

3 APPLICATION

Stir up well! Completely add set portion of **Crosslinker M** to the base lacquer and immediately mix thoroughly and evenly. Allow the mixture to settle for 10 minutes. then stir again and use it. Do not mix more than can be used up within 2 hours (at 20 °C). Apply **ESD Color Base** (minimum temp. 15 °C) evenly onto the properly prepared substrate (Please pay attention to our Technical Information „Preparation of subsurfaces“) with the Dr. Schutz Aquatop Roller in at least two coats, until the surface is entirely covered.

Please note:

- The surface must be professionally prepared and abraded as well as in a clean and dry condition, free of oil, wax and dust.
- Mixing ratio: 5,5 kg base lacquer to 0,5 l Crosslinker.
- Slightly visible roller marks can be caused by detrimental environmental conditions like humidity, temperature and floor color but this does not affect the conductivity properties of the system.
- Before applying **ESD Color Base** it is absolutely necessary to stir it thoroughly, in order to ensure a matching and homogenous color mixture. We recommend painting a line of **ESD Color Base** onto the sample



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color-chart provided, in order to ascertain whether the color we delivered is identical to the one which you have just painted on the chart. Any later claims or complaints will be invalid.

- Floor and material temperature must not fall below +15°C during application and drying time.
- The technical rules are to be observed.

4 COVERAGE

Per coating approx. 80-100 ml/m² (10-12 m²/l).

In the case of color shades which do not cover so opaquely, additional coats may be necessary.

5 CURING

Can be carefully walked on and worked on for second coating with **ESD Color Base** or for the final coating with **ESD Topcoat** after approx. 2 hours, but no longer than 12 hours after the first coat. In the case of a longer drying time the entire surface must be intermediate sanded (based on conditions of 20 °C, 50% relative humidity and sufficient ventilation)

Low temperatures, high humidity and poor ventilation can prolong the drying time. Refrain from laying down carpets in the first 10-14 days. Furniture can be carefully placed. The area must not be wet mopped in the first three days.

6 MAINTENANCE

see Dr. Schutz ESD Topcoat.

7 STORAGE

Protect against frost. Store in a cool, dry place. Will keep for 12 months in unopened, original canister from the date of manufacture. Keep coating materials out of the reach of children.

When stored in varying temperatures and/or in an opened canister, dried parts can form. If so, sieve these out before using.

8 TECHNICAL DATA

Contained substances: water, polyacrylate, polyurethane, glycolether, silicic acids, minerals,, waxes, additives. Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
voc (g/l) 80-100 in mixture (ISO11890) depending on color / GISCODE: W3DD+ / Decopaint 2004/42/IIA(j)(140)140.
ADR/RID: not a dangerous good as defined by transport regulations (base lacquer and crosslinker).
CLP (base lacquer): not obliged for labelling. For safe handling take care of the actual Safety Data Sheet.
CLP (Crosslinker M): obliged for labeling. For safe handling take care of the actual Safety Data Sheet.
Emptied canisters can be disposed of in household waste or taken to a recycling centre.



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9 SPECIAL NOTES

- When mixed together, 2part-products can develop carbon dioxide and build up pressure. Never close 2part-mixtures tightly in a container, danger of bursting!
- We recommend to ascertain the conductivity installation of a sample area.
- Please pay attention to the printed batch number. Only use products with the same batch number in one layer. In the case of a different batch, mix this in a separate container before using.
- All details given under laboratory conditions 23°C / 50% relative humidity / air-change 3 times per hour. Conditions at building sites can differ and account for varying results.
- Insofar as you and your customer have fallen back on using a colour matching fan like K7 when selecting the colours, you should make it clear that such colours can only represent an approximation of the official RAL colour shades. Therefore you must absolutely show your customer the sample colour chart enclosed. These samples were created by taking the product which was actually mixed in a bucket! You will find this sample colour chart in the carton labelled as such included in the delivery.
- In case of doubt, we always recommend that you first present the customer with a sample area which he should then approve, as one and the same colour shade can have various visual effects depending on different factors, such as light-source, the roller used, room temperature, gloss grade, applied quantity, quality of the substrate, etc.!
- Clean the working tools and implements with water. The hardened remains of lacquer can only be removed mechanically. We recommend always using new, dry Aquatop Rollers.
- 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 sealing coat. If resistance to hand and instrument disinfectants is required in specific buildings, we recommend pre-testing the respective chemicals on site.
- The final color shade is affected by the greyish shade of conductive filler. Please take attention to the paper card delivered with the product. Furthermore with the subsequent Topcoat a greyish deviation is to be taken into account.
- Tip: If the floor should be colored uni, retain some ESD Colorbase for mixing with ESD Topcoat to break its greyish shade. Recommendation 10 parts ESD Topcoat, 1 part ESD Colorbase.

10 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 finishes
- Safety data sheet available on request.

The quoted printed matter, as well as this product information in its updated form, is available on our homepage www.dr-schutz.com 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.