



ESD Color Base

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.

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	

RAL numbers here 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 **Dr. Schutz ESD Color Base** thoroughly before adding the Crosslinker. Add **Crosslinker M** to the lacquer in a ratio of 12,5:1 (weight, 6,325:0,5) 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.
- 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 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.



ESD Color Base

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 (*). In the case of a very absorbent subsurface, higher consumption is possible, depending on absorbency.

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+ / 2004/42/IIA(j)(140)140.

ADR/RID: not a dangerous good as defined by transport regulations (base lacquer and crosslinker).

CLP (base lacquer): labelling not necessary.

Emptied canisters can be disposed of in household waste, or taken to a recycling centre.

CLP (Crosslinker M): GHS 07, Attention. H332 Harmful if inhaled. H317 May cause an allergic skin reaction. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects. P280 Wear protective gloves / eye protection. P362 Take off contaminated clothing. P405 Store locked up. EUH204 Contains isocyanates. May produce an allergic reaction.



ESD Color Base

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!
- 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.
- 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. (*)
- (*) In case of questions, please consult our advice on technical applications

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.

ESD Color Base



Dr. Schutz – We Care About Floors

Headquarter

Dr. Schutz GmbH
Holbeinstraße 17
D-53175 Bonn
Tel.: +49 (0)228 / 95 35 2-40
Fax: +49 (0)228 / 95 35 2-46
E-Mail: export@dr-schutz.com
www.dr-schutz.com

UK

Dr. Schutz U.K Ltd.
Unit 24, Anglo Business Park,
Smeaton Close, Aylesbury Bucks
HP19 8UP

Contact: Richard Nelson
Tel.: +44 (0)1296 437827
Fax: +44 (0)1296 334219
E-Mail: richard@dr-schutz.com

Ireland

Dr. Schutz Ireland
35 Pic Du Jer Park,
Ballinlough, Cork

Contact: Paul O'Reardon
Mobile: 0877678388
E-Mail: drschutzireland@gmail.com

North America

Schutz NA
4701 Bath St 46
Philadelphia PA 19137
USA

Contact: Sam Jamison
Tel.: +1 (877) 272-4889
Mobile: +1 (215) 510-7874
E-Mail: sam@schutzNA.com

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.