

2.1. Floor Coverings

2.1.1. Floor runner

Extremely wear-resistant floor runner with unsanded back for loose laying as floor covering.

Properties

- Heterogeneous covering, static dissipative
- Un-sanded back
- Smooth surface
- Wear-resistant
- Solder-resistant
- Thickness: 2,5 mm
- Resistance to EPA ground
 - ≤ 9 * 10⁷ Ω at ESD-STM 7.1-2001
 - ≤ 9 * 10⁷ Ω at IEC 61340-4-1:2003



Rolls

| Code | Sizes | Colour |
|----------|---------------|--------|
| 2140.900 | 10 m * 1.22 m | grey |

Cuts

| Code | Sizes | Colour |
|----------|-------------|--------|
| 2140.100 | Custom-made | grey |

2.1.2. Anti-Fatigue Mats

Properties

- Closed cell PVC mat
- Ergonomically
- R_S = 10⁷ ... 10¹⁰ Ω at IEC 61340-5-1
- R_V = 10⁶ ... 10⁹ Ω at IEC 61340-5-1
- Decay time: < 2 s
- Thickness: 10 mm
- Available colour: grey

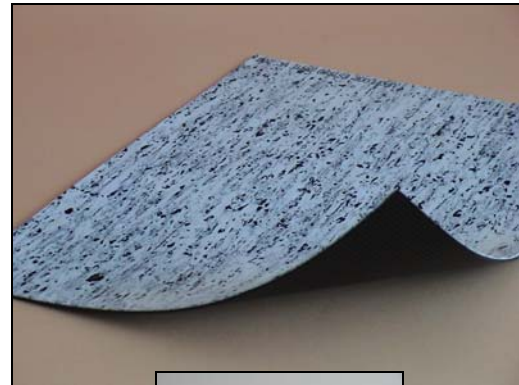


| Code | Sizes | |
|----------|------------------|------|
| 2150.100 | 900 mm * 1500 mm | Mat |
| 2150.900 | 900 mm * 15 m | Roll |

2.1.3. Floor Covering - UNIFLOOR Typ I

Properties

- Two-part floor covering
- Conductive underground
- Static dissipative, vinyl
- Thickness: 2 mm
- $R_S < 1.5 * 10^7 \Omega$ at ASTM D257
- $R_G < 1.5 * 10^7 \Omega$ at ESD S7.1



Rolls

| Code | Sizes | Colour |
|----------|---------------|--------|
| 2160.901 | 25 m * 1.50 m | grey |

Cuts

| Code | Sizes | Colour |
|----------|-------------|--------|
| 2160.101 | Custom made | grey |

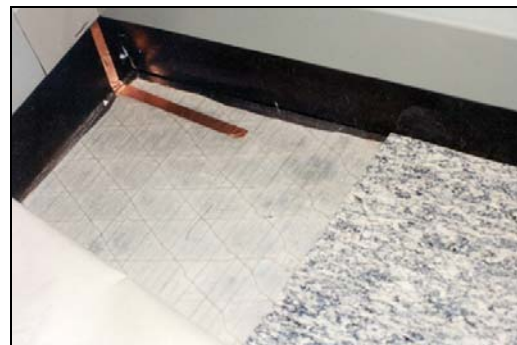
2.1.4. Special Adhesive Tape

Special adhesive tape for the fast and safety fixing of floor mats.

Properties

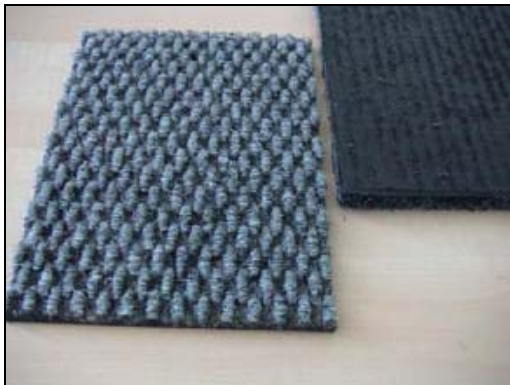
- Conductive
- $R_G < 1 * 10^4 \Omega$

| Code | Sizes | |
|----------|------------|------|
| 2170.000 | 1 m * 25 m | Roll |



2.1.5. Static Control Floor Systems – Carpet

The static control carpet was developed for the application in a very frequented area. It can be used in EPAs, like in electronic manufactures, in telecommunication areas as well as in such areas, where ESDS are produced and electrostatic charges have to be avoided.



Properties

- $R_S: < 7.5 * 10^6 \Omega$ at IEC 61340-5-1
- $R_G: < 1.0 * 10^6 \Omega$ at IEC 61340-5-1
- Static Decay: $< 0,17$ s at IEC 61340-5-1
- Flammability: Menthenamine Pill Test FF1-70
- Noise reduction

Code

| | | |
|-----------------|---------------------------|------------------------|
| 2180.900 | Carpet (thickness: 10 mm) | Roll: 2.00 m * 15 m |
| 2180.100 | Carpet (thickness: 10 mm) | Tiles: 0.50 m * 0.50 m |



All products are tested, whether they meet the valid standards, before their including in the product guide.

Vacuum cleaners for regularly cleaning processes are in Section VI.

2.2. Floor Painting Systems

The 2K-PUR ESD – floor painting system allows a cost-effective realization of conductive floors in electronic factories. The painting system is a water based system. It is a easy handling system, which is abrasion resistant as well as chemical resistant. The resistance values are $10^7 - 10^8 \Omega$ and meet the requirements of the standards IEC 61340-5-1 and IEC 61340-4-1. New paintings are nearly possible without process stop, because of the fast dry and the easy handling. The high wear resistance guarantees a good abrasion resistance at high mechanical strains.

Application areas:

- Electronic factories
- Explosion hazarded rooms
- Clean rooms
- Computer rooms
- Hospitals

Underground:

- Concrete, paintings, cement
- Epoxy floors
- PVC coverings
- Other solid floors

Benefits:

- Economy: low material costs, easy application (no worth mentioning process Stoppage times)
- Ecological compatibility; water based system, no chlorine
- Constant, grow and humidity dependence of the conductivity
- Technical benefits: high abrasion resistance, suitable for production and storage areas, many colours available

Sample coating sets:

Code

2201.001 Sample kit (enough for 2 ... 3 m²)



2.2.1. Static Control Floor Painting for PVC coverings, epoxy floors, concrete, mineral grounds

STREICOLOR 2K-PUR Static Control Floor Painting

M17.17.xxxxx

This painting is a single-layer polyurethane painting. It guarantees a long lasting conductivity, abrasion resistant and chemical resistant. The 2K-PUR depth ground is used as ground coat for mineral grounds.



Productiveness:

approx. 5 m²/kg with a thickness of 70 ... 90 µm

| Code | | |
|----------|---|-------------|
| 2202.xxx | different colours and quantities on inquiry | M17.17.xxxx |

For special undergrounds it is necessary to use a **special depth ground** before.

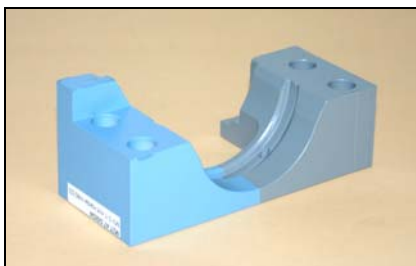
| Code | | |
|----------|------------------------------------|--------------|
| 2103.001 | STREICOLOR 2K-PUR ESD depth ground | M21.03.00001 |

2.2.2. Copper tape

Copper tape (self-adhesive) used for the connection: floor mat or floor painting to the potential.

| Code | Sizes | |
|----------|--------------|------|
| 2299.200 | 10 mm * 33 m | Roll |

2.2.3. Conductive Paint for other surfaces



SREICOLOR 2K-PUR Conductive Paint M27.47.xxxxx

This conductive paint is a permanently dissipative 2K ESD single layer for high quality, abrasion-, chemical- and weather – resistant coatings as well as on partly difficult substrates. It's suitable for the preparation of electrically dissipative surfaces.

| Code | | |
|----------|---|-------------|
| 2203.xxx | different colours and quantities on inquiry | M27.47.xxxx |

2.3. Floor Finishing Systems

The Floor Finishing System includes 4 products:

- ULTRA
- ULTRA II
- ZERO V.O.C.
- ACRYLIC

All Floor Finishing products are used worldwide for special applications and meet the special requirements of the existing floors and rooms.

2.3.1. ULTRA

ULTRA was designed to keep the electrical properties, the physical resistance and long-term-effect as well as the glossiness of the floors. No other cleaning product is so effective. The products improve the control of electrostatic charges.

- Abrasion resistance, lasts up to 24 months
- Easy to care and to repair, no buffing required
- Contains low volatile organic compounds (V.O.C.)
- Dries fast, high glossiness and intensity



Code

7920.104 ULTRA 1 can¹

¹ 1 can = 5 litres

2.3.2. ULTRA II

ULTRA II is an improved version of ULTRA, but with limited application areas (see next page). A renewal is required after 24 months in comparison to ULTRA.



Code

7920.105 ULTRA II 1 can¹

¹ 1 can = 5 litres

Static Control Systems

Section II Floor Systems

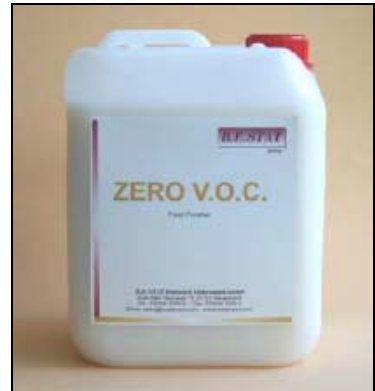
B.E.STAT

group®

2.3.3. ZERO V.O.C.

This product was created for sensitive areas. ZERO V.O.C. (volatile organic compounds) does not generate any toxic or dangerous steams during the application. It is suitable for clean rooms and other areas, where contaminations must be minimized. It does not require buffing.

Available in clean room packing!



Code

7920.101 ZERO V.O.C. 1 can¹

¹ 1 can = 5 litres

2.3.4. ACRYLIC

ACRYLIC is a high-solid, low-cost method of protecting your sensitive manufacturing areas against the danger of static charges. It is easy to apply, perfect protection areas, warehousing, shipping, laboratories and electronic repair facilities.

- Contains low V.O.C.
- High abrasion resistance
- Non-slip formulation
- Controls static charges even at low humidity
- No formaldehyde



Code

7920.100 ACRYLIC 1 can¹

¹ 1 can = 5 litres

Comparison of Floor Finisher

| Product | V.O.C | Coverage per gallon | Glossiness | Dry time | Renewal after |
|-----------------|-------|----------------------------|------------|-----------|----------------|
| ULTRA | < 7 % | 220 ... 250 m ² | excellent | 1 hour | 24 months |
| ULTRA II | < 7 % | 220 ... 250 m ² | excellent | 1 hour | > 24 months |
| ZERO | 0 % | 180 ... 250 m ² | gut | 1.5 hours | 3 ... 6 months |
| ACRYLIC | < 7 % | 180 ... 250 m ² | gut | 1 hour | 3 ... 6 months |

Technical data sheets and MSDS are available for all Floor Finishers!

2.4. Cleaning Products

Special cleaning products for the preparation of the existing floor and the regularly care.

- Anti-Static Floor Stripper
- Neutral Cleaner
- Restorer



2.4.1. Anti-Static Floor Stripper

It removes multiple coats of wax or synthetic floor finishes. It does not damage or dull flooring, when used according to manufacturer's recommendations. It is non-ammoniated, biodegradable, non-streaking, low foaming and it has not harsh odours. It is effective in hard as well as in soft water. The Floor Stripper removes embedded dirt providing a completely clean and finish-ready surface by emulsifying dirt and residual particles of old wax or coating.

Dilution: 1 : 16
(1 part Floor Stripper : 16 parts water*)



Code

7910.103 Floor Stripper 1 can²

² 1 can = 5 l

2.4.2. Neutral Cleaner

It is a highly concentrated anti-static cleaner for the use in all facilities. It does not leave any film, low foam level, constant detergency, non-streaking, safe for septic and sewage systems. Contains not phosphates or alkalis, and will not degrade production environment anti-static properties. Use in conjunction with Floor Stripper to properly prepare floors for the application of Static Control Floor Finishers.

Dilution: 1 : 128
(1 part Neutral Cleaner : 128 parts water*)



Code

7910.102 Neutral Cleaner 1 Kanister²

² 1 can = 5 l

* distilled water or isopropyl

Static Control Systems

Section II Floor Systems



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Floor Systems

2.4.3. Restorer

Restorer renews the gloss and prolongs the time before starting the process again. It contains special conductive parts for the effect preservation against electrostatic charges. The product guarantees a low resistance.

Dilution: 1 : 10
(1 part : 10 parts water)

| Code | | |
|-----------------|----------|--------------------|
| 7910.101 | Restorer | 1 can ¹ |

¹ 1 can = 5 l



Floor Type Compatibility

| | Acrylic | Zero V.O.C. | Ultra | Ultra II | Restorer |
|--------------------------|---------|-------------|-------|----------|----------|
| Asphalt Tile | • | | • | | • |
| Ceramic Tile | • | • | • | | • |
| Composite Tile | • | | • | | • |
| Concrete Floor (painted) | | | • | | • |
| Concrete floor (sealed) | | • | • | | • |
| Cork | | | | | • |
| Epoxy | | | • | | • |
| ESD Dissipative Tile | | | | • | • |
| ESD Epoxy | | | | • | • |
| Linoleum Tile | • | • | • | | • |
| Terrazzo | | | • | | • |
| Vinyl Asbestos | | | • | | • |
| Vinyl Tile | • | • | • | | • |
| Wood | • | | • | | • |