The repairable surface

Deep scratches, holes, burns or other surface damage can be easily and effectively repaired, without leaving any visible trace or affecting the original characteristics of the floor. This genuine, 100% repairable surface is unique to Colorex and something that no other flooring system can promise.

Invisible repairs
Deep scratches and other serious damage can be repaired by hot welding. A small strip of Colorex of the same color should be welded directly into the damage using a hand welding machine. After the excess material has been trimmed off, the repaired spot can be restored to a good-as-new condition by sanding and dry polishing.

• Unique 100% repairable surface
• Scratches or serious damage can be solved
• It will be restored to a good-as-new condition

Repair
Problem: Deep and long scratches, holes and burns
Advantage: Invisible repairs without damaging the initial characteristics of the product
Reason: Thanks to the homogenous product with low plasticiser content

Maintenance
After sanding, the surface can be restored to its original quality and appearance by dry polishing using progressively smoother pads till the desired result is achieved.

• Easy sanding with conventional equipment
• Restore to its original quality and appearance by simply polishing

Abrasive cleaning
Problem: Surface damage like burns, abrasion or staining
Advantage: Abrasive cleaning possible
Reason: Thanks to its compact high pressure pressed surface a PUR treatment is not necessary

Deep scratches, holes, burns or other surface damage can be easily and effectively repaired, without leaving any visible trace or affecting the original characteristics of the floor. This genuine, 100% repairable surface is unique to Colorex and something that no other flooring system can promise.

Damage
Hot welding and material trimming
Sanding and dry polishing

Forbo Flooring Systems is part of the Forbo Group, a global leader in flooring, bonding and movement systems, and offers a full range of flooring products for both commercial and residential markets. High quality linoleum, vinyl, textile, flocked and entrance flooring products combine functionality, colour and design, offering you total flooring solutions for any environment.

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Providing peace of mind
Forbo Flooring Systems is an international market leader with a wealth of experience in providing ESD and clean room flooring with probably the best known brand in the market place - Colorex. You can have peace of mind that Colorex complies to every standard and norm that is required today and likely to be required tomorrow.

Environmental credentials
We constantly strive to produce sustainable flooring systems that create better environments everywhere. At the same time we help take care of the natural environment through our commitment to sustainable development, responsible raw material procurement and manufacturing processes. For example our Colorex collection is manufactured using green electricity and is REACH compliant.

The 8 benefits of Colorex
Colorex is an advanced technical flooring system specifically designed to control static discharge in sensitive areas such as cleanrooms, operating theatres and the electronics industry. Not only does Colorex provide an advanced technical solution, it is also aesthetically pleasing, enhancing any commercial interior from industrial to educational establishments.

1 Colorex offers peace of mind as it fully complies with all ESD and clean room standards, including the Fraunhofer institute.

2 The technology assures a permanently conductive product guaranteeing optimal performance throughout the life of the product.

3 The dense construction of Colorex provides a porefree surface ensuring the highest hygiene properties.

4 The low plasticiser content in Colorex tile creates a unique dimensional stability and prevents shrinkage.

5 The low plasticiser content also ensures extremely low emissions and outgassing making Colorex the right choice for clean rooms.

6 The surface of Colorex can be fully repaired extending the useful life of the product.

7 The dense construction of Colorex provides excellent resistance to heavy loads making it an ideal solution for commercial and industrial environments.

8 Colorex is available in tile format, a prerequisite for raised access floors found in many commercial environments such as data centres and server rooms.
Colorex provides all the features normally associated with ESD sheet product but with the additional benefits mentioned above that the tile format offers. ESD sheet products require a high plasticiser content which can result in out-gassing. In contrast, Colorex tiles have a small percentage of plasticiser content which can result in out-gassing.

Advantages:
• The conductive coating on the chips ensures that the unique electrostatic dissipative properties are consistent throughout the product.
• The construction assures permanently conductive product that remains unaffected by changes in humidity and temperature.

Advantages:
• Takes a look at the semi-finished product above and you’ll see that the conductive coating on the chips forms a dense network of tiny black veins.
• These are the conductive paths that enable safe electrostatic discharge through the whole thickness of the tile.

Advantages:
• The tiles are easy to work with and allow for straightforward installation and reduced installation waste when compared to sheet products.
• Colorex is a highly compressed tile with a compact, pore free, easy clean and repairable surface.

We start where others stop

Colorex is only available in tile format as this enables quicker installation, especially in small and medium areas or rooms with irregular shapes. The tile format also ensures less wastage than sheet, making it the environmentally preferable option.

As Colorex also has very low plasticizer content there’s no need to worry about emissions or shrinkage and the corresponding diminishing of conductive properties. Our production process produces a material of superior and consistent quality with an extremely high and uniform compression. The easy-clean surface is pore free, making it suitable for the most stringent hygiene requirements, right up to certified cleanrooms.

The Colorex system

Colorex can be used in many different applications. It can be installed by fully adhering it directly to a substrate or bonding it to a raised access floor panel. It can also be laid as part of a lossy tile system. Colorex is available with three levels of conductivity, each of which can be installed as described above. The lossy tile resistant version (B1.1 plus) completes the comprehensive Colorex high tech solutions offer.

1. Functionality
   - Permanently conductive
   - Permanently static dissipative

2. Description
   - Permanently conductive floor, connection between tiles through dovetails and connected to earth through copper strip.

3. Application area
   - New build laboratories, clean rooms, pharmaceutical laboratories and production sites.
   - Suitable for high traffic, damp floors or poor sub floor and floor areas in theatre.

<table>
<thead>
<tr>
<th>Functionality</th>
<th>Description</th>
<th>Application area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Resistant / Repairable</td>
<td>Cleaning. Suitable in case of heavy damages</td>
</tr>
<tr>
<td>Functionality</td>
<td>Excellent chemical resistance floor can be repaired in case of heavy damages</td>
<td></td>
</tr>
<tr>
<td>Description</td>
<td>Resistant / Repairable</td>
<td>Excellent chemical resistance floor can be repaired in case of heavy damages</td>
</tr>
<tr>
<td>Application area</td>
<td>Slip resistance/ Anti-slip with high traffic, easy cleaning, slip resistant</td>
<td>Excellent chemical resistance floor can be repaired in case of heavy damages</td>
</tr>
</tbody>
</table>
In hochsensiblen Einsatzbereichen aus hygienischen Gründen zwingend erforderlich sind dichte Wandanschlüsse. Der Zubehör von Colorex® bietet Ihnen perfekt absolute Freiheit in der Raumabdichtende Lösungen. Das manigfaltige, aus hygienischen Gründen zwingend erforderliche, aus ästhetischen, sondern auch konzeptionellen Gründen erforderliche Zubehör von Colorex® ist der perfekte Schutz vor feuchtigkeitsempfindlichen Bereichen.

Colorex® general
- Funktion: Permanenter, elektrischer Stromfluss
- Beschreibung: Permanenter, elektrischer Stromfluss, der sicherstellt, dass alle Flächen von der Erde aus isoliert sind.
- Anwendungsmöglichkeiten: Laboratorien, Produktionsstätten, pharma- und pharmazeutische Laboratorien, Datenzentren, Serverräume und andere räumliche Bereiche, die mit stationären elektrischen Ladungen behaftet sind.
- Artikelnr.: Colorex® General
- Lieferumfang: 2 Stück / Karton
- Abmessung: 200 x 200 x 8 mm

Colorex® Welding Rod
- Funktion: Elektrischer Stromfluss
- Beschreibung: Elektrischer Stromfluss, der durch das Vorspannen der Fliesen über eine spezielle Verbindung zwischen den Fliesen erzeugt wird.
- Artikelnr.: Colorex® Welding Rod
- Lieferumfang: 1 St. / Karton
- Abmessung: 1509 x 100 mm

Colorex® Welding Rod Coloweld Welding Rod
- Funktion: Elektrischer Stromfluss
- Beschreibung: Elektrischer Stromfluss, der durch das Vorspannen der Fliesen über eine spezielle Verbindung zwischen den Fliesen erzeugt wird.
- Artikelnr.: Coloweld Welding Rod
- Lieferumfang: 1 St. / Karton
- Abmessung: 1509 x 100 mm

Colorex® Plus
- Funktion: Permanenter elektrischer Stromfluss
- Beschreibung: Permanenter elektrischer Stromfluss, der sicherstellt, dass alle Flächen von der Erde aus isoliert sind.
- Anwendungsmöglichkeiten: Laboratorien, Produktionsstätten, pharma- und pharmazeutische Laboratorien, Datenzentren, Serverräume und andere räumliche Bereiche, die mit stationären elektrischen Ladungen behaftet sind.
- Artikelnr.: Colorex® Plus
- Lieferumfang: 1 St. / Karton
- Abmessung: 280200 x 280 x 28 mm

Colorex® EC High performance
- Funktion: Permanenter elektrischer Stromfluss
- Beschreibung: Permanenter elektrischer Stromfluss, der sicherstellt, dass alle Flächen von der Erde aus isoliert sind.
- Anwendungsmöglichkeiten: Laboratorien, Produktionsstätten, pharma- und pharmazeutische Laboratorien, Datenzentren, Serverräume und andere räumliche Bereiche, die mit stationären elektrischen Ladungen behaftet sind.
- Artikelnr.: Colorex® EC
- Lieferumfang: 1 St. / Karton
- Abmessung: 280250 x 280 x 28 mm

Colorex® SD Performance
- Funktion: Permanenter elektrischer Stromfluss
- Beschreibung: Permanenter elektrischer Stromfluss, der sicherstellt, dass alle Flächen von der Erde aus isoliert sind.
- Anwendungsmöglichkeiten: Laboratorien, Produktionsstätten, pharma- und pharmazeutische Laboratorien, Datenzentren, Serverräume und andere räumliche Bereiche, die mit stationären elektrischen Ladungen behaftet sind.
- Artikelnr.: Colorex® SD
- Lieferumfang: 1 St. / Karton
- Abmessung: 280200 x 280 x 28 mm

Colorex® EC plus High performance
- Funktion: Permanenter elektrischer Stromfluss
- Beschreibung: Permanenter elektrischer Stromfluss, der sicherstellt, dass alle Flächen von der Erde aus isoliert sind.
- Anwendungsmöglichkeiten: Laboratorien, Produktionsstätten, pharma- und pharmazeutische Laboratorien, Datenzentren, Serverräume und andere räumliche Bereiche, die mit stationären elektrischen Ladungen behaftet sind.
- Artikelnr.: Colorex® EC plus
- Lieferumfang: 1 St. / Karton
- Abmessung: 280250 x 280 x 28 mm

Colorex® SD plus (nur verfügbar auf Anfrage)
- Funktion: Permanenter elektrischer Stromfluss
- Beschreibung: Permanenter elektrischer Stromfluss, der sicherstellt, dass alle Flächen von der Erde aus isoliert sind.
- Anwendungsmöglichkeiten: Laboratorien, Produktionsstätten, pharma- und pharmazeutische Laboratorien, Datenzentren, Serverräume und andere räumliche Bereiche, die mit stationären elektrischen Ladungen behaftet sind.
- Artikelnr.: Colorex® SD plus
- Lieferumfang: 1 St. / Karton
- Abmessung: 280200 x 280 x 28 mm

Colorex® Plus - Ventilated base system
- Verfügbar in zwei Farben: hellgrau / dunkelgrau
- Artikelnr.: Colorex® Plus
- Lieferumfang: 1 St. / Karton
- Abmessung: 171500 (gelb) / 171500 (dunkelgrau)
Colorex Basic plus

Colorex Basic plus is a loose lay floor system with a Colorex surface and limited conductive properties. This range provides all the benefits of Colorex, such as a high density, repairable and chemical resistant surface with the flexibility of a heavy duty loose lay tile.

### Functionality:
- Resistant / repairable
- Excellent chemical resistance. Floor can be repaired in case of heavy damages.

### Application areas:
- Shops, stores, warehouses. Suitable when down time, damp floors or poor sub floors are an issue.

### Description:
- Dirt hiding, slip resistant floor.

### Application areas:
- Industrial areas, garages, warehouses. Suitable when down time, damp floors or poor sub floors are an issue.

Colorex R11 plus

The product has enhanced slip resistance, categorised as R11 due to its strong surface embossed structure. Only available in colourway 010085.

### Functionality:
- Slip resistant to R11

### Description:
- Dirt hiding, slip resistant floor.

### Application areas:
- Industrial areas, garages, warehouses. Suitable when down time, damp floors or poor sub floors are an issue.
The right floor makes the difference
Reducing the generation of electrostatic charges is the main purpose of control measures in ESD protected areas (EPA). In such areas like electronics assembly, mechatronics and data centres the right floor covering plays a crucial role. It does not only drain electrostatic charges from personnel and equipment, but it also reduces the generation of charges where they occur is at the interface between the soles of shoes and the floor.

Consistent conductivity throughout the product’s lifetime
The unique construction of Colorex EC and Colorex SD is completely free from volatile chemicals, ensures the permanent and stable conductive performance of the floor over its entire lifetime, regardless of changes in humidity and temperature.

We guarantee more than resistance
Forbo Flooring guarantees consistent performance. We measure the electrical resistance of every single production batch of Colorex EC and Colorex SD and upon request, we can provide a test report clearly showing the results of our measurements.

Low body voltage generation
It is a natural phenomena that anybody can accumulate an electrostatic charge just by the simple motion of walking. By wearing the appropriate ESD shoes however, these charges will be securely drained through the dense network of conductive veins of Colorex EC and Colorex SD.

ESD flooring that’s future proof

<table>
<thead>
<tr>
<th>Products:</th>
<th>Colorex SD</th>
<th>Colorex EC</th>
<th>Colorex EC plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lifetime Conductivity Warranty</td>
<td>Electrostatic Discharge Flooring (ESD)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
In cleanroom environments in the pharmaceutical, life sciences, and manufacturing industries, airborne particles can be a major source of contamination. Not only can they cause yield loss, the particles can also lead to corrosion and product degradation. ISO standards and cGMP regulations for air purity require you to comply by presenting consistent results that can be verified on a regular basis. Ideal for cleanrooms and these kinds of environments, Colorex EC satisfies the strictest requirements for particle release behaviour, helping to reduce any threat of contamination. What’s more, following a comprehensive programme of testing, its suitability in cleanroom applications has been certified by the renowned Fraunhofer IPA Institute in Germany.

Colorex EC was tested for the following:

- Airborne particle emission test and cleanroom suitability (ISO 14644-1)
- Outgassing analysis and classification (ISO 14644-8)
- Adhesion of microorganisms
- Assessment of microbial metabolic potential (ISO 846)
- Chemical resistance (ISO 2812-4)
- Cleanability rating (VDI guideline 2083 Part 4)
- GMP classification complying to Class A

Cleanroom flooring for the highest standards

Products:
- Colorex EC
- Colorex EC plus
- Colorex SD
Hygiene and safety for sensitive hospital areas

A demanding area
In sensitive hospital areas such as operating theatres, intensive care units and imaging diagnostic facilities, flooring presents its own unique challenges. Not only must it comply with stringent hygiene regulations to help prevent hospital acquired infections, it must also demonstrate that it meets any necessary safety requirements. Most importantly, it must prevent any electrostatic discharges as these can cause malfunctions, or even failures, in highly sensitive medical equipment and devices.

The highest standards of hygiene
Colorex satisfies all these requirements. Its conductive properties allow you to avoid the negative effects of an accumulation of static electricity. At the same time, the compact, pore-free surface is unfriendly to bacteria and moulds, helping you to maintain the highest standards of hygiene. Thanks to its excellent stability and consistent high quality, its aesthetic appeal won’t be tarnished by the regular cleaning and disinfecting cycles that are imperative in hospital environments. Colorex is highly stain resistant helping to ensure your investment will still look good in years to come.

Products:
• Colorex SD
• Colorex EC
• Colorex EC plus

Pore-free surface inhibits bacteria and moulds
Resistant to chemicals

Products:
• Colorex SD
• Colorex EC
• Colorex EC plus
Industrial flooring for heavy duty areas

Suitable for the most demanding applications
Industrial environments present their own flooring problems, particularly in areas with high wear and tear. Our Colorex high performance floor covering systems are designed for all industrial areas, including the most demanding of applications. Cut from a homogeneous, solid block of highly compressed material they have a high vinyl content and a well balanced amount of mineral filler for optimum performance.

Colorex offers you:
• High mechanical resistance and wear with no need for factory coating or additional surface hardening treatments
• Excellent chemical resistance thanks to the pore-free surface and a remarkably low percentage of plasticiser
• A 100% repairable and restorable solution that leaves no trace of abrasive treatment methods

Products:
• Colorex SD
• Colorex Basic plus
• R11 plus

Powered pallet truck and forklifts
Repairable and restorable solution. No downtime
The finishing detail –
hygienic and aesthetic

In hygiene sensitive areas, Colorex finishes not only look attractive but are in many cases, a must from a hygienic point of view. The use of preformed corners and skirtings provides the perfect solution in terms of freedom of design combined with ease of maintenance.

Colorex accessories have, amongst other benefits, preformed corners with a radius linked to the size of cleaning machine. This ensures that no sharp corners are created that would prove difficult to clean. Preformed outer corners are prevented from tearing because of their special construction. The inner reinforcement prevents the outer corners tearing or breaking from tearing because of their special construction. The inner reinforcement prevents the outer corners tearing or breaking from tearing because of their special construction.

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The quality and environmental management system of Forbo Giubiasco S.A. where Forbo Colorex is manufactured are certified in accordance with ISO 9001 and ISO 14001.