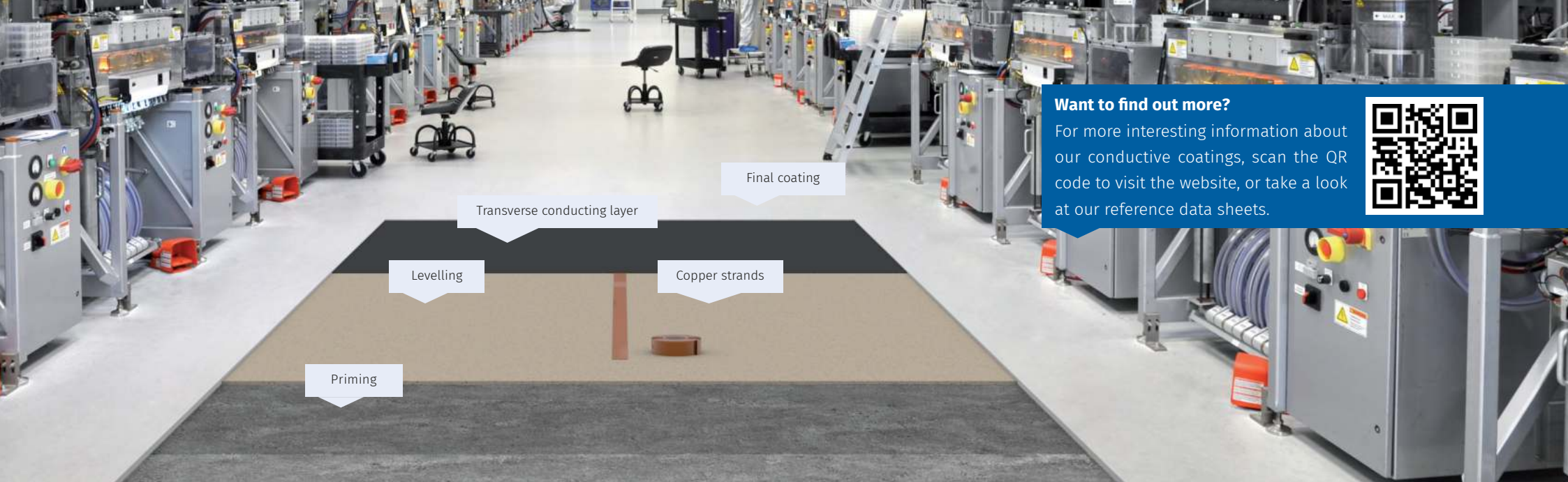


A photograph of a car repair shop. A blue car is on a lift with its hood open. A mechanic in red overalls is working on the front of the car. Another mechanic in red overalls is standing nearby. The floor is light-colored with yellow safety markings.

ESD/conductive floor coatings

Maximum safety even
at ultra-low ESD levels



Want to find out more?

For more interesting information about our conductive coatings, scan the QR code to visit the website, or take a look at our reference data sheets.



The safe way to dissipate voltage

Remmers floor coatings prevent electrostatic charging of persons and machinery

Electrostatic charge and discharge is an extremely commonplace occurrence in everyday life. Electrostatic charging occurs if two people come into contact even for a brief moment, and can discharge very rapidly in the event of separation of charge. Potentially explosive media or chemicals represent a major problem. If they are ignited by sparks, this can lead to fire, explosion, injury or financial loss. Many instances of electrostatic discharge (ESD) are far too small to be perceived by humans, making them a stubbornly prevalent problem in the electronics industry in particular. Microelectronic components are at a high risk of being damaged or destroyed by even the smallest

amounts of electrostatic discharge. Functional damage or even complete failure often go unnoticed until it comes to using the end product.

This results in costly downtimes or product recalls. Preventing ESD-related damage is a top priority, since the costs associated with a potential incident justify all the initial outlay. In an ESD protected area, the flooring has an important role to play.

With the high-quality ESD and conductive coatings from Remmers, these risks can be minimised significantly.

The benefits at a glance:

- Individual system solutions for every application
- Safety and durability
- High mechanical resistance
- Can be laid quickly, easily and joint-free
- Resistant to chemicals
- Can be given anti-slip properties
- Very easy to clean
- Physiologically safe once fully cured, free of nonylphenols and low in emissions
- Individual colour options available

Remmers ESD products

Product name/finishing coat		PUR Aqua Top ESD	Epoxy TX Color ESD	Epoxy SIC Color ESD	Epoxy ESD Color 2K	Epoxy ESD Color 3K
Application areas		Seal coat	Thin coating textured	Thin coating textured	Flow coating	Flow coating
Container size		16.5 kg	25 kg	25 kg	25 kg	30 kg
Colours	Pebble grey	–	–	–	–	■
	Special colours	from 16.5 kg	from 100 kg	from 100 kg	from 100 kg	from 150 kg
Substrate types	Concrete/reinforced concrete	–	■	■	■	■
	Cement screed	–	■	■	■	■
	Calcium sulphate screed	–	■	■	■	■
	Magnesite screed	–	■	■	■	■
	Poured asphalt (IC 10 / 15)	–	–	–	–	■
	Conductive coating	■	■	■	–	–
Transv. cond. layer required		–	–	–	■	■
Standards (requirements)	TRGS 727	< 1 x 10 ⁸ Ω	■	■	■	■
	DIN EN 61340-5-1 ¹ (resistance to earth)	< 1 x 10 ⁹ Ω	■	■	■	■
	DIN EN 61340-5-1 ¹ (system leakage resistance)	< 1 x 10 ⁹ Ω	■	■	■	■
	DIN EN 61340-5-1 ¹ (charging at persons)	< 100 V	■	■	■	■
Characteristic values* (electrostatic product properties)	Resistance to earth (DIN EN 61340-4-1 ² / DIN EN 1081)	< 1 x 10 ⁷ Ω	< 1 x 10 ⁹ Ω	< 1 x 10 ⁸ Ω	< 1 x 10 ⁹ Ω	< 1 x 10 ⁸ Ω
	System leakage resistance (DIN EN 61340-4-5 ³)	< 1 x 10 ⁸ Ω	< 1 x 10 ⁹ Ω	< 1 x 10 ⁸ Ω	< 1 x 10 ⁹ Ω	< 3.5 x 10 ⁷ Ω
	Charging at persons (DIN EN 61340-4-5 ³)	< 50 V	< 50 V	< 50 V	< 50 V	< 50 V
Slip resistance	direct	–	R 9	R 10 / R 11**	–	–
	with additional measures	R 9 / R 10**	–	–	R 9 / R 10**	R 9 / R 10
Static crack-bridging		–	–	–	–	> 250 µm / A2
Clean room certificate		–	–	–	–	ISO class 4
Mechanical resistance		■ □ □	■ ■ □	■ ■ ■	■ ■ ■	■ ■ ■
Chemical resistance		■ □ □	■ ■ □	■ ■ □	■ ■ □	■ ■ □
Layer thickness of main active protective/wearing layer		< 0.2 mm	0.5 mm	0.5 mm	1.4 mm	1.7 mm

■ □ □ low | ■ ■ □ moderate | ■ ■ ■ strong | ¹ As of July 2017 | ² As of April 2016 | ³ As of April 2019

* Characteristic values measured under laboratory conditions (air temperature 23 °C / relative humidity 25%) | ** Under review

Remmers conductive products

Product name/finishing coat		Epoxy BS 3000 AS	Epoxy TX Color AS	Epoxy SIC Color	Epoxy WHG Color AS	PUR Uni Color AS
Application areas		Seal coat	Thin coating textured	Thin coating textured	Flow coating	Flow coating
Container size		10 kg / 25 kg	25 kg	10 kg / 25 kg	10 kg / 25 kg	10 kg / 25 kg
Colours	Pebble grey	-	-	■	-	-
	Silver grey	-	-	■	-	-
	Light grey	-	-	■	-	-
	Special colours	from 100 kg	from 100 kg	from 100 kg	from 100 kg	from 100 kg
Substrate types	Concrete/reinforced concrete	■	■	■	■	■
	Cement screed	■	■	■	■	■
	Calcium sulphate screed	■	■	■	■	■
	Magnesite screed	■	■	■	■	■
	Poured asphalt (IC 10 / 15)	-	-	-	-	■
Transv. cond. layer required		■	■	■	■	■
Standards (requirements)	TRGS 727	< 1 x 10 ⁸ Ω	■	■	■	■
Characteristic values* (electrostatic product properties)	Resistance to earth (DIN EN 61340-4-1 ² / DIN EN 1081)	< 1 x 10 ⁶ Ω	< 1 x 10 ⁶ Ω	< 1 x 10 ⁶ Ω	< 1 x 10 ⁶ Ω	< 1 x 10 ⁶ Ω
Slip resistance	direct	-	R 9	R 10 / R 11	-	-
	with additional measures	-	-	-	-	R 9
Static crack-bridging		-	-	-	-	> 500 µm / A3
Mechanical resistance		■ □ □	■ ■ □	■ ■ ■	■ ■ ■	■ ■ ■
Chemical resistance		■ □ □	■ ■ □	■ ■ □	■ ■ ■	■ ■ □
Layer thickness of main active protective/wearing layer		< 0.2 mm	0.5 mm	0.5 mm	1.3 mm	1.3 mm

■ □ □ low | ■ ■ □ moderate | ■ ■ ■ strong | ² As of April 2016

* Characteristic values measured under laboratory conditions (air temperature 20 °C / relative humidity > 40%)



Electronics industry



Automotive industry



Pharmaceutical industry

Application areas

Industry 4.0



Aviation industry



Potentially explosive atmospheres





Find your local contact

Remmers Ltd

Unit 4 - Lloyds Court Manor Royal
Crawley, West Sussex, RH10 9QU
+44 (0) 1293 594 010

www.remmers.co.uk / www.industryfloors.co.uk

Subject to change. The current version of the applicable Technical Data Sheet is relevant for legal matters.
Colour variations are possible. Global contacts: www.remmers.com/remmers-worldwide

3011/10.21 GB