Application - CONICA CONDUCTIVE AND ESD COATINGS - *Standards and application fields*

System name		Measurement standard / fulfilled minimum requirement					
		EN 1081	EN 61 340-4-1	EN 61 340-4-5	EN 61 340-4-5 (2017)	EN 61 340-4-5	
		Three-point electrode	2.5 kg electrode	System: person / shoe / floor	System: person / shoe / floor	Walking-Test	
	Layer thickness	< 10^6 Ω	< 10^9 Ω	*RG < 3.5 x 10^7 Ω	RG < 10^9 Ω	< 100 V	Notes
CONIFLOOR IET AS	0.5 - 0.8 mm	•	•				Structured EP coating, anti static (orange peel), glossy
CONIFLOOR IET AS SR	0.5 - 0.8 mm	•	•				Structured EP coating, anti static (orange peel) with hard grain layer, satin gloss
CONIFLOOR IET ESD	0.5 - 0.8 mm	•	•	•	•	•	Structured EP coating, ESD (orange peel), glossy
CONIFLOOR IES AS	1.5 - 2.5 mm	•	•				Homogenous EP coating, anti static, glossy
CONIFLOOR IES AS SR	2.0 - 3.0 mm	•	•				Slip resistant EP coating (silicon carbide broadcasted), satin gloss
CONIFLOOR IES AS ESD	1.5 - 2.5 mm	•	•	•	•	•	Homogenous EP coating with conductive sealing lacquer (PU) matt
CONIFLOOR IES ESD (N)	1.5 - 2.5 mm	•	•	•	•	•	Homogenous EP coating, ESD , glossy
CONIFLOOR IES AS-ESD SR	2.0 - 3.0 mm	•	•	•	•	•	Slip resistant EP coating (silicon carbide / QS mixture broadcasted), satin gloss
CONIFLOOR IPS AS	1.5 - 2.5 mm	•	•				Homogenous PUR coating, anti static , glossy - can yellowing by UV exposure (indoor)
CONIFLOOR IPS AS-ESD	1.5 - 2.5 mm	(•)	•	•	•	•	Homogenous PUR coating, with conductive sealing lacquer (PU) matt
CONIFLOOR COLORQUARZ LE AS-ESD	2.0 - 3.0 mm	•	•		•	•	Slip resistant EP coating (coloured QS + silicon carbide broadcasted), satin gloss

• Standard fulfilled
(•) Standard partly fulfilled

The conductivity and functionality of the floor coatings can only be guaranteed by proper use and cleaning. This also includes the corresponding standard conform, conductive footwear is worn.

The above named Systems meet the requirements of the applicable application and / or measurement standard specified in the table. The named values are the minimum requirements specified in the standards, generally better values are obtained which are listed in the product and system data sheets.

Requirements to conductive and dissipative coating systems	
BGR 132 / ATEX	Requirements to the resistance to earth of the coating: < 10^6 Ω (< 10^8 Ω at rel. Air humidity < 40 %) Messurement standard EN 1081
EN 61340-5-1	Protection of electronic devices / components against electrostatic phenomena: Resistance to earth/ground: Rg < 10^9 Ω. *Resistance of system: Rs < 3.5 x 10^7 Ω and body voltage < 100 V (if soil is the sole means of grounding the person) otherwise applies Rs < 10^9 Ω and body voltage < 100 V (see EN 61340-5-1 primarie person grounding with floor system), measurment standards EN 61340-4-1 and EN 61340-4-5

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