

# RESPONSIVE

We listen. We're responsive.



## Electra Plus<sup>®</sup>

Conductive flooring

## Electra Plus® shades



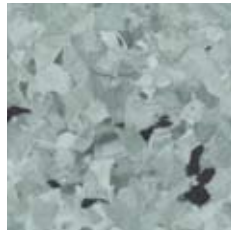
Spotted Owl

5698-776-4



Speckled Mud

5698-770-4



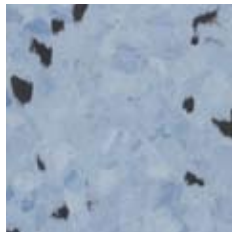
Stoic Dream

5698-772-4



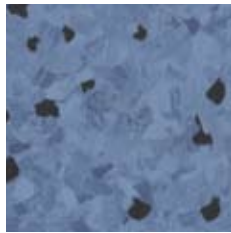
Stone Castle

5698-771-4



Corsican Cloud

5698-773-4

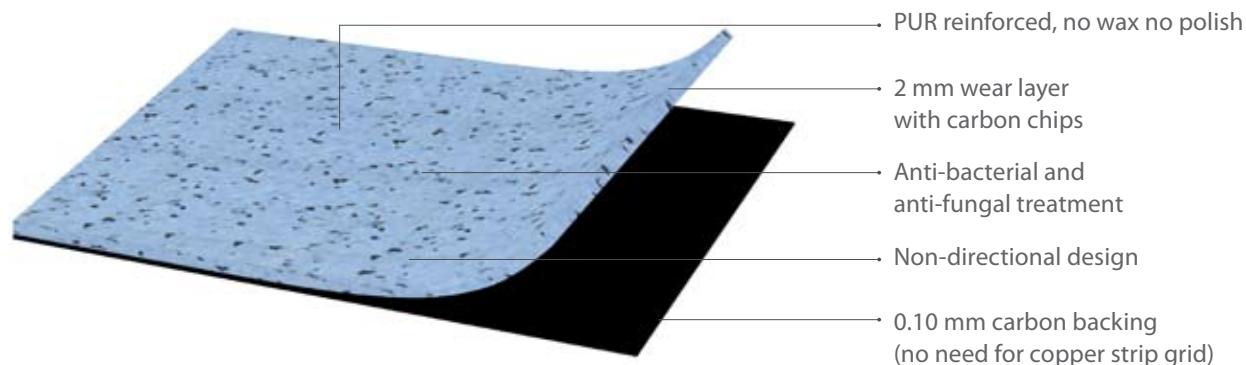


Imperial Blue

5698-774-4



## Electra Plus® product overview

**Group P** |  $10^4 < R < 10^6 \Omega$ 


**Electra Plus®** is a static-conductive, flexible homogeneous vinyl floorcovering with an electrical resistance of ( $10^4 \leq R_t \leq 10^6$ ) (EN 1081).



**Electra Plus®** is homogeneous through the 2 mm thickness of its carbon designed wear layer and has a carbon conductive backing to ensure optimal and constant static -conductive properties and giving it a total thickness of 2.10 mm



**Electra Plus®** is anti-fungal and anti-bacterial and is available in sheets 2 m wide or tiles. It complies with the European norm EN 649 (34-43) and has excellent resistance to static and rolling loads.



### Applications

- Intensive care units
- Server rooms
- Computer rooms
- Electronic manufacturing units
- Radiotherapy and lab areas
- Electronic equipment rooms
- Shop floors
- Clean industries

### Special Features

- $10^4 \leq R_t \leq 10^6 \Omega$
- Easy maintenance
- Elimination of static charge
- Specialised floor
- Available up to 3.00mm in sheet and tiles



**Electra Plus®** is VOC ( $\leq 1/2$  Chronic REL) and formaldehyde compliant ( $\leq 9.0 \mu\text{g}/\text{m}^3$ ) according to the CDPH/EHLB/Standard, Method V1.1-2010 (certificate 120316-01).

**ISO 9001, 2008**
**ISO 14001, 2004**

## Electra Plus® technical specifications

description

performance

Characteristics	Standards	Units	Electra Plus®
Description			Conductive flooring
General performance	BS EN ISO 10874: 2012	Class	34 - 43
	BS EN 649 : 2011	Group	P
Usage			Heavy foot traffic
Overall thickness	EN 428	mm	2.00
Thickness of wear layer	EN 429, ASTM F410	mm	1.90
Weight	EN 430	g/m²	3200
Sheet size	EN 426	m (width)	2
		m (length)	15 / 20
		m² (surface area)	30 / 40
Tile size	EN 427		300 x 300
		mm x mm	500 x 500
			610 x 610
Abrasion resistance	EN 660 -2	Group	P
	EN 660 -2	Volume loss mm³	< 4
	ASTM D3389	g	< 0.40
	(Weight loss / 1000 cycles)		
Residual indentation	EN 433	mm	~ 0.03 (≤ 0.10)
	ASTM F970 (static load)	psi	800
	ASTM F1914	inches	Avg. 0.001
Slip resistance	DIN 51130		R 10
	EN 13893	Coefficient of friction	DS (> 0.30)
	ASTM D2047		Pass (0.70 avg)
Dimensional stability	EN 434	%	≤ 0.40
Flexibility	EN 435	mm	< 20
	ASTM F137		Pass
Castor chair test	EN 425	Type of use	Continuous
Sound insulation	EN ISO 717-2	ΔLw = dB	4
Reaction to fire	EN ISO 9239-1: 2010	kW/m²	≥ 8
	EN ISO 11925-2: 2010		Pass
	EN 13501-1:2007+A1: 2009	Class	Bfl - S1
	ASTM E648-06	Type	1
Static electrical propensity	EN 1815	kV	< 2.0
Electrical resistance	EN 1081	Ω	10⁴ < R < 10⁶ (Conductive)
Thermal resistance	ISO 8302 (EN 12664)	m² k/W	< 0.00512
	ASTM 1514		Pass
Smoke density	ASTM E 662-05	Dm	< 450
Colour fastness to light	EN ISO 105 - B02	Degrees	≥ 6
Walking resonance	NF XPS 31 074	dB	4
Stain & chemical resistance	BS EN ISO 26987: 2012	Index	0 (Excellent resistance)
	ASTM F925		Pass
Fungi & bacteria resistance	(E1) PCP	%	<0.1 (none detected)
	ASTM G - 21		Does not favour growth
	ASTM D3273		Pass
Clean rooms	ASTM F51/68	Class	A, non shedding
Maritime usage	IMO RES A 653 (16)		Annex 1 Part 2 (Smoke & Toxicity)
	IMO MSC 61 (67)		Part 5 (Spread of Flame) and Annexure 2
	US Coast Guard Approved		(Surface Flammability / Heat Release)
	Marine Equipment Directive		1121



14-05-2012

3mm thickness available to special order.

The above data is valid at the time of print. For more details regarding technical specifications, handling and installation, please contact Responsive Industries Ltd.