



## ***ESD PVC Flooring***

### **Tkflor floorings**

Tkflor floorings offer a complete range of products, conductive (Roll & Tile) and dissipative (Roll), which according to the type of requirements to ensure:

- The protection of electronic equipments and components
- The protection of people against electro-static discharge risks
- The protection of premises against explosive risks

Used in conjunction with conductive footwear, Tkflor floorings guarantee the highest level of protection against ESD risks due to their low generation of charges (from <100 to <20V according to the IEC 61340-4-5) and to the effective elimination of charges over the long term.

### **Controlling discharges**

Tkflor floorcoverings guarantee the lasting elimination of electrostatic charges, while taking into account the safety of people.

### **Low accumulation of charges**

Tkflor floorcoverings guarantee a low accumulation of electrostatic charges to people and equipments.

### **Mechanical resistance**

The homogeneous and compacted surface provides an enduring resistance to static and dynamic loads.

### **Chemical resistance**

Tkflor floorcoverings display excellent resistance to chemical products such as detergents, acids and alkaline products.

### **Minimum gas emission**

Low VOC emissions.

### **Decontamination**

Tkflor floorcoverings are rated as "good" in compliance with ISO 8690 the nuclear decontamination standard.

### Fully hygienic

Fungistatic and bacteriostatic treatment throughout total thickness of flooring.

Floorcovering is non-absorbent, impervious and non-porous.

Can be hot welded and install with a coved skirting for easy cleaning.

### Technical Data Sheet

Technical Data		Static Conductive	Static Dissipative
Total thickness	EN428	2~3MM	2~3mm
Total width	EN426	2M	2M
Total length	EN426	15~20M	15~20M
Standard/Product Specification		EN649	EN649
Electrical resistance	EN1081	$10^4 \leq R \leq 10^6 \Omega$	$10^6 \leq R \leq 10^8 \Omega$
	IEC61340-4-1	$R \leq 10^8 \Omega$	$10^6 \leq R \leq 10^9 \Omega$
	ANSI/ESD S7.1	$2.5 \times 10^4 \leq R \leq 10^6 \Omega$	$10^6 \leq R \leq 10^8 \Omega$
Static electrical charge	EN1081	<2kv	<2kv
Dimensional stability	EN434	$\leq 0.4\%$	$\leq 0.4\%$
Residual indentation	EN433	Approx: $\leq 0.1\text{mm}$	Approx: $\leq 0.1\text{mm}$
Castors chair test	EN425	Suitable	Suitable
Underfloor heating		Suitable-max.27°C	Suitable-max.27°C
Impact sound reduction	EN ISO 717-2	Approx.+2 dB	Approx.+2 dB
Reaction to fire	EN ISO 13501-1	Class B <sub>f1</sub> s1	Class B <sub>f1</sub> s1
	EN ISO 9239-1	$\geq 8 \text{ kw/m}^2$	$\geq 8 \text{ kw/m}^2$
	EN ISO 11925-2	Pass	Pass
Color fastness	EN ISO 105-B02	$\geq$ Level 6	$\geq$ Level 6
Chemical resistance	EN423	Good	Good
Toxic test	GB 18586-2001	Pass	Pass
Slip resistance	DIN 51130	R9	R9
	EN 13893	$\geq 0.3$	$\geq 0.3$
Surface treatment		PUR	PUR
Color number		8	8

### **Installation**

Installation should be carried out in accordance to local standards and product manufacture's guidelines. Subfloor need to be smooth, hard, clean and dry prior to laying. The place that applicable the subfloor must incorporate and effective Damp Proof Membrane. The material must be allowed to acclimatize 24 hours before installation in a room temperature of 18°C-24°C. All seams must be heat welded using matching rod.

Tkflor floorings to be adhered with a conductive adhesive approved by Tkfor and the system should incorporate a copper grid system between adhesive and the back of the sheet.

### **Maintenance**

Maintenance should be carried out regularly to retain the appearance and durability of the floor. Tkflor floorings should be maintained with regular sweeping and damp mopping, more intense cleaning should be carried out periodically by machine cleaning using a neutral cleanser. Cleaning materials which are compatible with static control floors should always be used.

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**ISO 9001: 2008 Certified**