

Product card Elektra 43

I. Description

Elektra 43 – a flexible pressed homogeneous floor covering. Available in sheets and tiles. Protected with polyurethane PUR EL. Resistant to microorganisms. It has a directionless pattern. It has static conduction properties. Manufactured using nanotechnology. Suitable for use in rooms where people are present permanently in high traffic public buildings, intensively used light-industry facilities and in locations which require static electricity protection, and the value required for resistance to earth $R_2 \leq 10^6 \Omega$, e.g. in rooms where diagnostic instruments are used, in operation rooms and intensive care units, in electronic industry, military industry, and in room with existing hazard of explosion. The bottom layer of the floor covering features a conductive counteracting coating which allows for installation without using conductive adhesive and results in unified removal of electrostatic charge from the whole surface of the floor.

II. Technical parameters

Parameters	Standard no	Requirements
Warranty period (years)	----	10
Surface protection	----	Polyurethane PUR EL
Declaration of Performance	PN-EN 14041	01-04-ZW
Usability class	PN-EN ISO 10874	43
Reaction to fire	PN-EN 13501-1	B _{fl} -s1
Hygiene attest	----	Pass
Electrical properties	PN-EN 14041	Astatic and conducting
Electrical resistance	PN-EN 1081	$\leq 10^6 \Omega$
Electrostatic voltage	PN-EN 1815	$\leq 2 \text{ kV}$
Slip resistance	DIN 51130	R11
	PN-EN 14041	Class DS
Dynamic coefficient of friction (along / cross)	PN-EN 13893	0,34 / 0,51
Total thickness	PN-EN ISO 24346	2,0 mm
Thickness of wear layer	PN-EN ISO 24340	2,0 mm
Weight	PN-EN ISO 23997	3,0 kg/m ²
Roll width	PN-EN ISO 24341	2 m
Roll length	PN-EN ISO 24341	20 m
Tiles - side length	PN-EN ISO 24342	610 x 610* mm 500 x 500* mm
Binder content	PN-EN ISO 10581	Type I
Residual indentation	PN-EN ISO 24343-1	$\leq 0,1 \text{ mm}$
Dimensional stability after exposure to heat	PN-EN ISO 23999	$\leq 0,4\%$
Curling after exposure to heat	PN-EN ISO 23999	$\leq 8 \text{ mm}$
Light resistance	PN-ISO 105-B02	≥ 6
Flexibility	PN-EN ISO 24344	Good
Chemical resistance	PN-EN ISO 26987	Resistant
Resistance to microorganisms	PN-EN ISO 846	Resistant
Clean Room test	ASTM F24-04 ASTM 51-00	Class A
Resistance to impact of wheeled chair	PN-EN ISO 4918	Resistant
Floor heating up to	-	27 °C

* Available for orders for at least 700 m²