









Specification according to EN 649 / EN ISO 10851
Royal ESD LG1

Structure	Type of Flooring	EN 649 / EN ISO 10851	synthetic floor covering
	Binder Content	EN ISO 10851	Type I
	Additional Comment		homogeneous with conductive backing
	Plastic basis		Polyvinylchloride
	Pattern		marbled
	Overall Thickness	EN 428	2.2 mm
	Thickness of wear layer	EN 429	2.0 mm homogeneous
	Classification	EN 685	class 23/34/43
	Sheet width	EN 426	183 cm
	Sheet length	EN 426	16–25 m
	Tiles: dimensions	EN 427	60.8 x 60.8 cm x cm
	Amount of tiles		5.54 m ² per package
	Total weight	EN 430	3200 g / m ²
Safety	Flammability	EN 13501-1 	Bfl-s1
	Slip resistance	BGR 181	R 10 (Armstrong DLW recommends R9)
	Dynamic coefficient of friction	EN 13893 	DS (> 0.30)
	REACH		contains no substances mentioned in the SVHC-list
Performance	Impact sound reduction	ISO 140-8	3 dB
	Residual indentation	EN 433	app. 0.05 mm
	Wear group	EN 649	class P
	Colour fastness	ISO 105-B02	Rating ≥ 6
	Vertical resistance R1	EN 1081 	≤ 1 x 10 ⁷ Ohm
	Electrical insulation to ground	VDE 0100	≥ 50 kOhm
	Static electrical charge	EN 1815 	≤ 2.0 kV
	Thermal resistance	EN 12667	0.01 m ² K / W
	Thermal conductivity	EN 12524	0.25 W / mK
	Resistance against chemicals	EN 423 	good resistance against acids and alkalis even at higher concentrations
Castor chair	EN 425 	suitable (Typ W)	
Warmwater-underfloor heating		suitable (max. 28°C)	
ESD	Vertical resistance	EN 61340-4-1	≤ 3.5 x 10 ⁷ Ohm
	System resistance	EN 61340-4-5	≤ 3.5 x 10 ⁷ Ohm
	Static electrical charge-system test	EN 61340-4-5	≤ 100 V



	Manufactured by:	Royal ESD LG1
	Armstrong DLW GmbH	EN 14041 : 2004
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