

## Technical specifications

Colorex meets the requirements of EN 649

		Colorex SD	Colorex EC	Colorex EC plus	Colorex Basic Plus	R11 Plus
	Total thickness	ISO 24346 / EN 428	2.0 mm / 3.0 mm*	2.0 mm / 3.0 mm*	10.5 mm	10.5 mm
	Tile size	EN 427	615 x 615 mm 615 x 1230 mm*	615 x 615 mm 615 x 1230 mm*	608 x 608 mm	608 x 608 mm
	Commercial very heavy	ISO 10874 / EN 685	34	34	34	34
	Industrial heavy	ISO 10874 / EN 685	43	43	43	43
	Electrical resistance	IEC 61340-4-1 EN 1081 (100V) ANSI/ESD 7.1	$10^6 \leq R \leq 10^8 \Omega$	$10^6 \leq R \leq 10^8 \Omega$	$2.5 \times 10^4 \leq R \leq 10^6$	-
	Electrical resistance	IEC 61340-4-5 ESD STM 97.1	-	$R < 3.5 \times 10^7 \Omega$	$R < 3.5 \times 10^7 \Omega$	-
	Out-gassing	IDEMA M11-99	total < 1 µg/cm <sup>2</sup>	total < 1 µg/cm <sup>2</sup>	total < 2 µg/cm <sup>2</sup>	total < 2 µg/cm <sup>2</sup>
	Total TVOC 28 days Total TSVOC 28 days	AgBB guidelines	< 1 mg/m <sup>3</sup> < 0.1 mg/m <sup>3</sup>	< 1 mg/m <sup>3</sup> < 0.1 mg/m <sup>3</sup>	< 1 mg/m <sup>3</sup> < 0.1 mg/m <sup>3</sup>	< 1 mg/m <sup>3</sup> < 0.1 mg/m <sup>3</sup>
	Bacteriostatic	SNV 195 920	Pass	Pass	Pass	Pass
	Chemical resistance	ISO 26787 / EN 423	Excellent	Excellent	Excellent	Excellent
	Total weight	ISO 23997 / EN 430	3.2kg/m <sup>2</sup>	3.2kg/m <sup>2</sup>	12.4kg/m <sup>2</sup>	12.4kg/m <sup>2</sup>
	Dimensional stability	ISO 23999 / EN 434	0.05%	0.05%	-	-
	Thermal dilatation coefficient		-	-	0.11 mm/m°C	0.11 mm/m°C
	Residual indentation	ISO 24343-1 / EN 433	0.035 mm	0.035 mm	-	-
	Resistance to loads (performance may vary, subject to local conditions)		-	-	Powered pallet truck and forklifts: total weight up to 2.5 t with hard wheels and up to 5 t with air tyres. Static loads: 50 kg/cm <sup>2</sup> - dynamic loads: 90 kg/cm <sup>2</sup>	
	Abrasion resistance	EN 660-2	Group M	Group M	Group M	Group M
	Castor chair continuous use	ISO 4918 / EN 425	no effect	no effect	no effect	no effect
	Light fastness	EN ISO 105 B02	≥ 6	≥ 6	≥ 6	≥ 6
	Impact sound reduction	EN ISO 140-8	2 dB	2 dB	12 dB	12 dB
						 EN 14041
All Colorex products meet the requirements of EN 14041						
	Body voltage generation, with appropriate ESD shoes	IEC 61340-4-5 ESD STM97.2 EN 1815	40 V	20 V	20 V	< 2 kV
	Reaction to fire	ISO 9239-1	CRF: 10.5kw/m <sup>2</sup> Smk Dvlp 359%.min	CRF: 10.5kw/m <sup>2</sup> Smk Dvlp 359%.min	CRF: 10.5kw/m <sup>2</sup> Smk Dvlp 359%.min	CRF: 10.5kw/m <sup>2</sup> Smk Dvlp 359%.min
	Slip resistance	AS 4586	R9	R9	R9	R9
	Thermal conductivity	EN 12524	0.28 W/(m·K)	0.28 W/(m·K)	0.28 W/(m·K)	0.28 W/(m·K)

\*available on request

Our recommended Forbo adhesive for Colorex is 641 Eurostar Special EL

All Forbo Flooring Systems' sales organisations worldwide have a certified Quality Management System in accordance with ISO 9001. All Forbo Flooring Systems' manufacturing operations have a certified Environmental Management System in accordance with ISO 14001. The Life Cycle Assessment (LCA) of Forbo Flooring Systems' products is documented in individual Environmental Product Declarations (EPD's) which can be found on all of our websites.



### DOWNLOADS:

Colorex Brochure	Colorex   fire report (walls)   AS 3837
Colorex EC/SD   slip report   AS 4586	Colorex VOC test report
Colorex R11 plus   slip report   AS 4586	Colorex cleaning & maintenance
Colorex   fire report   ISO 9239-1	Forbo Commercial Warranty