

# Technical information

HOMOGENEOUS  
COMPACT VINYL

## iQ Collection



The iQ Collection offers a complete offer including compact, acoustic, static dissipative, static control, anti slip and wetroom solutions. It brings outstanding performances as well as the market's best life cycle costs. With over 200 references and amazing patterns, the iQ collection leads the way to design creativity.



CERTIFICATION & CLASSIFICATION	STANDARDS	iQ Optima	Optima Multisafe	iQ Optima Acoustic	iQ Eminent	iQ Megalit
<b>CE certification</b>		Yes	Yes	Yes	Yes	Yes
<b>Classification</b>	EN 685	Commercial: 34 Industrial: 43	Commercial: 31 -	Commercial: 34 Industrial: 42	Commercial: 34 Industrial: 43	Commercial: 34 Industrial: 43
<b>TECHNICAL CHARACTERISTICS</b>		<b>iQ Optima</b>	<b>Optima Multisafe</b>	<b>iQ Optima Acoustic</b>	<b>iQ Eminent</b>	<b>iQ Megalit</b>
<b>Wear layer thickness</b>	EN 429	2.00 mm	2.00 mm	2.00 mm	2.00 mm	2.00 mm
<b>Foam layer thickness</b>	EN 429	-	-	1.50 mm	-	-
<b>Adhesive foil thickness</b>	EN 429	-	-	0.20 mm	-	-
<b>Total thickness</b>	EN 428	2.00 mm	2.25 mm	3.70 mm	2.00 mm	2.00 mm
<b>Total weight</b>	EN 430	2 800 g/m <sup>2</sup>	2 820 g/m <sup>2</sup>	3 500 g/m <sup>2</sup>	2 950 g/m <sup>2</sup>	2 690 g/m <sup>2</sup>
<b>Form of delivery</b>	EN 426	<b>iQ Optima</b>				
Sheet (rolls)		Approx. 25 r m x 200 cm art. no. 3242 ___ 3 digit colour number	Approx. 25 r m x 200 cm art. no. 3240 ___ 3 digit colour number	Approx. 25 r m x 195 cm art. no. 3076 ___ 3 digit colour number	Approx. 23 r m x 200 cm art. no. 3101 ___ 3 digit colour number	Approx. 23 r m x 200 cm art. no. 3390 ___ 3 digit colour number
EN 427		<b>iQ Optima</b> 61 x 61 cm - 14 tiles/ box = 5.21 m <sup>2</sup> art. no. 3217 ___ 3 digit colour number	-	-	-	61 x 61 cm 14 tiles/box=5,21 m <sup>2</sup> art. no. 3396 ___ 3 digit colour number
Tiles (box)						
Sheet (rolls)		<b>iQ Optima Essence</b> Approx. 25 r m x 200 cm art. no. 3077 ___ 3 digit colour number	-	-	-	-
Sheet (rolls)		<b>All over embossing</b> Approx. 25 r m x 200 cm art. no. 3078 ___ 3 digit colour number	-	-	-	-
Sheet (rolls)		<b>Planks embossing</b> Approx. 25 r m x 200 cm art. no. 3079 ___ 3 digit colour number	-	-	-	-
EN 427		<b>iQ Optima Essence</b> 61 x 61 cm - 14 tiles/ box = 5.21 m <sup>2</sup> art. no. 3080 ___ 3 digit colour number	-	-	-	-
Tiles (box)						
Planks (box)		<b>Decorplanks with embossing</b> 71.16 x 10.16 cm - 28 planks/box = 2.02 m <sup>2</sup> art. no. 3082 ___ 3 digit colour number	-	-	-	-
<b>TECHNICAL PERFORMANCES</b>	<b>STANDARDS</b>	<b>iQ Optima</b>	<b>Optima Multisafe</b>	<b>iQ Optima Acoustic</b>	<b>iQ Eminent</b>	<b>iQ Megalit</b>
<b>Electrical insulation</b>	VDE 100, Part 600	-	-	-	-	-
<b>Electrical resistance</b>	ESD-approval SP-method 2472 EN 1081 EN/IEC 61340-4-1 EN/IEC 61340-4-5	-	-	-	-	-
<b>Abrasion group</b>						
Thickness loss	EN 660: Part 1	-	-	-	-	-
Volume loss	EN 660: Part 2	Group T: ≤ 2.00 mm <sup>3</sup>	Group T: ≤ 2.00 mm <sup>3</sup>	Group T: ≤ 2.00 mm <sup>3</sup>	Group T: ≤ 2.00 mm <sup>3</sup>	Group T: ≤ 2.00 mm <sup>3</sup>
<b>Residual indentation</b>	EN 433	Approx. 0.02 mm	Approx. 0.02 mm	≤ 0.20 mm	Approx. 0.02 mm	Approx. 0.02 mm
<b>Castor chair test</b>	EN 425	Suitable	-	Suitable	Suitable	Suitable
<b>Dimensional stability</b>	EN 434	≤ 0.40 % for rolls ≤ 0.25 % for tiles	≤ 0.40 %	≤ 0.40 %	≤ 0.40 %	≤ 0.40 % for rolls ≤ 0.25 % for tiles and decostrips
<b>Reaction to fire</b>	DIN 4102 EN ISO 9239-1 EN ISO 13501-1 EN ISO 11925-2 BS 476: Part 7, 1997	- ≥ 8 kW/m <sup>2</sup> Class B <sub>n</sub> s1 Pass	- ≥ 8 kW/m <sup>2</sup> Class B <sub>n</sub> s1 Pass	- ≥ 8 kW/m <sup>2</sup> Class B <sub>n</sub> s1 Pass	- ≥ 8 kW/m <sup>2</sup> Class B <sub>n</sub> s1 Pass Class 2	- ≥ 8 kW/m <sup>2</sup> Class B <sub>n</sub> s1 Pass
<b>Marine equipment</b>	IMO FTPC Part 5 and 2 IMO Res. A653	-	-	-	-	-
<b>Static electrical charge</b>	EN 1815	< 2 kV	< 2 kV	-	< 2kV	< 2kV
<b>Impact sound reduction</b>	EN ISO 717/2 ΔL <sub>w</sub>	-	-	Approx. + 16 dB	-	-
<b>Light fastness</b>	EN ISO 105-B02	≥ level 6	≥ level 6	≥ level 6	≥ 6	≥ 6
<b>Chemical resistance</b>	EN 423	Good resistance	Good resistance	Good resistance	Good resistance	Good resistance
<b>Fungi and bacteria resistance</b>	DIN EN ISO 846-A/C	Does not favour growth	Does not favour growth	Does not favour growth	Does not favour growth	Does not favour growth
<b>Clean room test</b>	ASTM F51/00	Class A	-	-	-	-
<b>Slip resistance</b>	DIN 51130 EN 13893	R9 ≥ 0.3	R10 ≥ 0.3	R9 ≥ 0.3	R9 ≥ 0.3	R9 ≥ 0.3
<b>Thermal resistance</b>	EN 12667 / DIN 52612	Approx. 0.01 m <sup>2</sup> K/W	Approx. 0.01 m <sup>2</sup> K/W	Pending	Approx. 0.01 m <sup>2</sup> K/W	Approx. 0.01 m <sup>2</sup> K/W
<b>Underfloor heating</b>	-	Suitable - max. 27° C	Suitable - max. 27° C	Suitable - max. 27° C	Suitable - max. 27° C	Suitable - max. 27° C
<b>Bare foot test</b>	-	-	Class B (18°)	-	-	-
<b>Colours</b>		iQ Optima 51 iQ Optima Essence 13	12	12	26	24

The above information is subject to modification for the benefit of further improvement (09/11).  
 For more detailed technical information, please contact Tarkett. Follow Tarkett's installation and maintenance instructions carefully. These instructions are available upon request.



iQ Granit	iQ Natural	iQ Toro SC	iQ Granit SD	iQ Granit Acoustic	Granit Multisafe						
Yes	Yes	Yes	Yes	Yes	Yes						
Commercial: 34 Industrial: 43	Commercial: 34 Industrial: 43	Commercial: 34 Industrial: 43	Commercial: 34 Industrial: 43	Commercial: 33 Industrial: 42	Commercial: 31 Industrial: -						
<b>iQ Granit</b>	<b>iQ Natural</b>	<b>iQ Toro SC</b>	<b>iQ Granit SD</b>	<b>iQ Granit Acoustic</b>	<b>Granit Multisafe</b>						
2.00 mm	2.00 mm	2.00 mm	2.00 mm	1.50 mm	2.00 mm						
-	-	-	-	2.30 mm	-						
-	-	-	-	0.20 mm	-						
2.00 mm	2.00 mm	2.00 mm	2.00 mm	4.00 mm	2.50 mm						
2 950 g/m <sup>2</sup>	2 950 g/m <sup>2</sup>	3 000 g/m <sup>2</sup>	3 000 g/m <sup>2</sup>	3 810 g	3 010 g						
Approx. 25 r m x 200 cm art. no. 3040 __ __ 3 digit colour number art. no. 3218 __ __ (Multicolour) 3 digit colour number	approx. 23 r m x 200 cm art. no. 3009 __ __ 3 digit colour number	Approx. 23 r m x 200 cm art. no. 3093 __ __ 3 digit colour number	Approx. 23 r m x 200 cm art. no. 3096 __ __ 3 digit colour number	Approx. 23 r m x 200 cm art. no. 3221 __ __ 3 digit colour number	Approx. 25 r m x 200 cm art. no. 3476 __ __ 3 digit colour number						
61 x 61 cm 14 tiles/box=5,21 m <sup>2</sup> art. no. 3243 __ __ 3 digit colour number art. no. 3044 __ __ (Multicolour) 3 digit colour number	61 x 61 cm 14 tiles/box=5,21 m <sup>2</sup> art. no. 3010 __ __ 3 digit colour number	61 x 61 cm 14 tiles/box=5,21 m <sup>2</sup> art. no. 3094 __ __ 3 digit colour number	61 x 61 cm 14 tiles/box=5,21 m <sup>2</sup> art. no. 3097 __ __ 3 digit colour number	-	-						
-	-	-	-	-	-						
-	-	-	-	-	-						
-	-	-	-	-	-						
-	-	-	-	-	-						
-	-	-	-	-	-						
-	-	-	-	-	-						
-	-	-	-	-	-						
<b>iQ Granit</b>	<b>iQ Natural</b>	<b>iQ Toro SC</b>	<b>iQ Granit SD</b>	<b>iQ Granit Acoustic</b>	<b>Granit Multisafe</b>						
-	-	R <sub>i</sub> ≤ 5 x 10 <sup>4</sup> Ohms	R <sub>i</sub> ≥ 5 x 10 <sup>4</sup> Ohms	-	-						
		R <sub>1</sub> ≤ 10 <sup>8</sup> Ohms R <sub>1</sub> ≤ 5 x 10 <sup>8</sup> ≤ R ≤ 10 <sup>9</sup> Ohms R <sub>2</sub> ≤ 5 x 10 <sup>8</sup> ≤ R ≤ 10 <sup>9</sup> Ohms 5 x 10 <sup>8</sup> ≤ R ≤ 10 <sup>9</sup> Ohms ≤ 3.5 ≤ 10 <sup>9</sup> Ohms	10 <sup>6</sup> ≤ R ≤ 10 <sup>8</sup> Ohms R <sub>1</sub> ≤ 10 <sup>8</sup> Ohms R <sub>2</sub> ≤ 10 <sup>8</sup> Ohms R ≤ 10 <sup>8</sup> Ohms								
-	-	-	-	-	-						
Group T: ≤ 2.00 mm <sup>3</sup>	Group T: ≤ 2.00 mm <sup>3</sup>	Group P: ≤ 4.00 mm <sup>3</sup>	Group P: ≤ 4.00 mm <sup>3</sup>	Group T: ≤ 2.00 mm <sup>3</sup>	Group T: ≤ 2.00 mm <sup>3</sup>						
Approx. 0.02 mm	Approx. 0.02 mm	Approx. 0.02 mm	Approx. 0.02 mm	Approx. 0.02 mm	Approx. 0.02 mm						
Suitable	Suitable	Suitable	Suitable	Suitable	Suitable						
≤ 0.40% for rolls	≤ 0.40% for rolls	≤ 0.40% for rolls	≤ 0.40% for rolls	≤ 0.40% for rolls	≤ 0.40% for rolls						
≤ 0.25% for tiles	≤ 0.25% for tiles	≤ 0.25% for tiles	≤ 0.25% for tiles	≤ 0.40% for rolls	≤ 0.40% for rolls						
B1	-	-	-	-	-						
≥ 8 kW/m <sup>2</sup>	≥ 8 kW/m <sup>2</sup>	≥ 8 kW/m <sup>2</sup>	≥ 8 kW/m <sup>2</sup>	≥ 8 kW/m <sup>2</sup>	≥ 8 kW/m <sup>2</sup>						
Class B <sub>n</sub> s1	Class B <sub>n</sub> s1	Class B <sub>n</sub> s1	Class B <sub>n</sub> s1	Class B <sub>n</sub> s1	Class B <sub>n</sub> s1						
Pass	Pass	Pass	Pass	Pass	Pass						
Class 2	-	-	-	-	-						
	-	-	-	-	-						
* iQ Granit Multicolour is not approved for use under the IMO directive.	-	-	-	-	-						
< 2kV	< 2kV	< 2kV	< 2kV	-	< 2kV						
-	-	-	-	Approx. + 15 dB	-						
≥ 6	≥ 6	≥ 6	≥ 6	≥ 6	≥ 6						
Good resistance	Good resistance	Good resistance	Good resistance	Good resistance	Good resistance						
Does not favour growth	Pending	Does not favour growth	Does not favour growth	Does not favour growth	Does not favour growth						
-	-	-	-	-	-						
R9	R9	R9	R9	R9	R10						
≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3	≥ 0.3						
Approx. 0.01 m <sup>2</sup> K/W Suitable - max. 27 °C	Approx. 0.01 m <sup>2</sup> K/W Suitable - max. 27 °C	Approx. 0.01 m <sup>2</sup> K/W Suitable - max 27 °C	Approx. 0.01 m <sup>2</sup> K/W Suitable - max 27 °C	Approx. 0.01 m <sup>2</sup> K/W Suitable - max 27 °C	Approx. 0.035 m <sup>2</sup> K/W Suitable - max 27 °C						
-	-	-	-	-	Class C (27°C)						
29 + 2 multicolor	30	10	9	12	12						