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# iQ Granit SD – iQ Toro SC



STATIC CONTROL HOMOGENEOUS FLOORINGS

VINYL

- iQ Granit SD for static dissipation ( $10^6 \leq R \leq 10^8 \Omega$ )
- iQ Toro SC for static conductivity ( $5 \times 10^4 \leq R \leq 10^6 \Omega$ )
- Unique conductive iQ PUR
- iQ Unique Surface Restoration
- Market's best Life Cycle Cost





# High safety in sensitive environments

In today's modern society, we see an increasing number of ESD\*-sensitive environments. To benefit from developments and opportunities today and in the future, we must be able to handle this situation by adopting appropriate products and systems.

The flooring is an important part of an effective ESD control system. Tarkett has developed products that meet high technical standards and deliver benefits like easy installation, low maintenance and extraordinary durability. Our two static control floorings are **iQ Granit SD**, covering

static dissipation needs, and **iQ Toro SC**, covering the higher requirements for static conductivity. Both are colour-coordinated with the iQ Granit range and have the same maintenance needs, allowing a harmonious combination of regular and static control flooring in the same building. iQ Granit SD and iQ Toro SC are available in sheets as well as tiles. When using sheets, no special conductive adhesive is needed, which makes installation easier and more cost-effective.

\*Electrostatic Discharge

## iQ Granit SD and iQ Toro SC are iQ floorings from Tarkett

### The iQ™ concept

*"Intelligent quality, with Unique Surface Restoration, for top performance in every aspect of flooring function."*

Tarkett's iQ floor coverings give you the best durability, the best design, the easiest cleaning and maintenance, and the best life cycle cost. And all with a concern for sustainability and the environment. We call it intelligent quality, and we see our iQ floor coverings as the most intelligent choice you can make when buying flooring.

### Unique Surface Restoration

Most notable is the Unique Surface Restoration property. Tarkett's extensive experience of raw materials, production technology and maintenance requirements has enabled us to develop products that are wax- and polish-free forever, and not just until the PUR wears off, as is the case with other vinyl floor coverings. Unique Surface Restoration makes it possible to fully restore the flooring surface to its original appearance and properties with just simple dry buffing. Thanks to high-quality raw material, iQ PUR surface reinforcement and an innovative design process, Unique Surface Restoration leads the way to extreme longevity and outstanding performance plus the market's best life cycle cost.







### **What is an electrostatic discharge?**

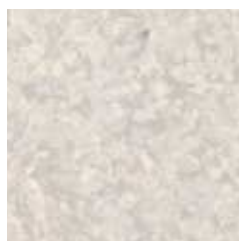
All around us, electrostatic charges are generated by friction or the separation of different materials. Since all matter in our world strives towards balance, every electrical charge tries to discharge itself. When two materials with different charges come sufficiently close to each other, there is an electrostatic discharge (ESD). This may cause damage to sensitive items and equipment.

# iQ Granit SD – the static dissipative flooring

iQ Granit SD is a high-quality static control flooring with an electrical resistance of  $10^6$ – $10^8$  ohms. It is developed for use in electronics industries, laboratories, ESD-sensitive areas in hospitals, etc. The nine versatile colours, in a classic non-directional design, offer great possibilities for creating harmonious interior designs without having to compromise on function.



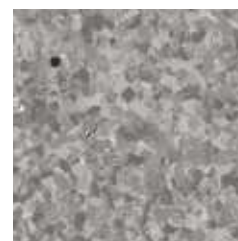
## The iQ Granit SD colour range



**710**  
NCS S 1500-N  
Welding Rod No. 1287411



**711**  
NCS S 2502-B  
Welding Rod No. 1287412



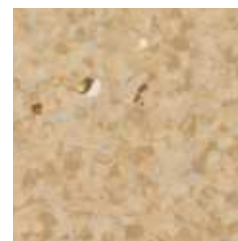
**712**  
NCS S 4502-B  
Welding Rod No. 1287413



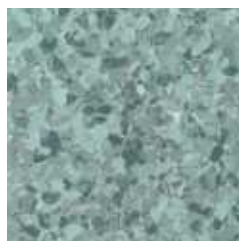
**714**  
NCS S 2005-Y40R  
Welding Rod No. 1287415



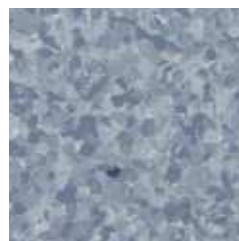
**715**  
NCS S 1020-Y30R  
Welding Rod No. 1287416



**716**  
NCS S 2020-Y30R  
Welding Rod No. 1287417



**717**  
NCS S 3020-B70G  
Welding Rod No. 1287418



**718**  
NCS S 2020-R90B  
Welding Rod No. 1287419



**713**  
NCS S 7502-B  
Welding Rod No. 1287414

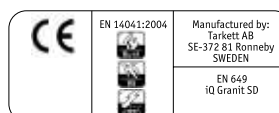


## Technical data for iQ Granit SD

iQ Granit SD is a homogeneous, resilient, permanently static dissipative control flooring. It is manufactured using the latest technology and with iQ PUR for excellent wear resistance and cleaning characteristics. This provides stable and reliable conductivity as well as an aesthetically

pleasing product. iQ Granit SD is classified as a DIF product, Dissipative Floor, according to IEC 61340-4-1. The pattern is non-directional. Sheets are installed using ordinary flooring adhesive. Tiles must always be installed using a conductive adhesive. Conductive adhesive is required over copper strips.

Technical data		iQ Granit SD
Type of flooring	EN 649	Permanently static dissipative pressed homogeneous vinyl flooring
CE certification		Yes
Classification	EN 685	Commercial: 34 Industrial: 43
Wear layer thickness	EN 429	2,0 mm
iQ PUR		Yes
Total thickness	EN 428	2,0 mm
Total weight/m <sup>2</sup>	EN 430	3000 g
Dimensional stability	EN 434	≤ 0,40% for rolls ≤ 0,25% for tiles
Abrasion		
Thickness loss	EN 660: Part 1	Group P: ≤ 0,15 mm
Volume loss	EN 660: Part 2	Group P: ≤ 4,00 mm <sup>3</sup>
Residual indentation	EN 433	Approx. 0,03 mm
Castor chair test	EN 425	Suitable
Static electrical charge	EN 1815	< 2 kV
Electrical insulation	VDE 0100, Part 600	$R_i \leq 5 \times 10^6$ Ohms
Electrical resistance	ESD-approval SP method 2472 EN 1081  EN/IEC 61340-4-1	$10^6 \leq R \leq 10^8$ Ohms $R_1 \leq 10^8$ Ohms $R_2 \leq 10^8$ Ohms $R \leq 10^8$ Ohms
Underfloor heating		Suitable – max. 27°C
Impact sound resistance	EN ISO 717/2	Approx. + 4 dB
Thermal resistance	EN 12667/DIN 52612	Pending
Reaction to fire	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2	Class B <sub>s1</sub> ≥ 8 kW/m <sup>2</sup> Pass
Light fastness	EN ISO 105-B02	≥ level 6
Chemical resistance	EN 423	Good resistance
Fungi and Bacteria resistance	DIN EN 846-A/C	Does not favour growth
Slip resistance	DIN 51130 EN 13893	R9 ≥ 0,3
Colours		9
Form of delivery	EN 426 Sheet (rolls)  EN 427 Tiles (box)	A approx. 23 m x 200 cm art. no. 3096_ _ _ 3 digit colour number  61,0 x 61,0 cm 14 tiles/box=5,21 m <sup>2</sup> art. no. 3097_ _ _ 3 digit colour number



According to European Classification EN 685



The information is subject to modification for the benefit of further improvement (06/08).

For more detailed technical information, please contact Tarkett. Please follow Tarkett's installation and maintenance instructions, included on the packaging, carefully.



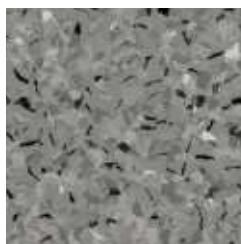
## The iQ Toro SC colour range



**100**  
NCS S 1002-Y50R  
Welding Rod No. 1287322



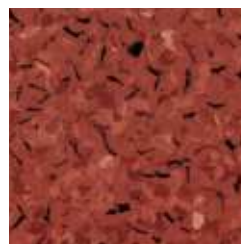
**101**  
NCS S 2502-B  
Welding Rod No. 1291811



**102**  
NCS S 4502-B  
Welding Rod No. 1292383



**103**  
NCS S 8502-B  
Welding Rod No. 1292384



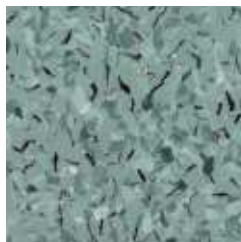
**109**  
NCS S 2070-Y90R  
Welding Rod No. 1287408



**104**  
NCS S 1005-Y40R  
Welding Rod No. 1288255



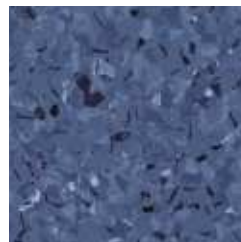
**105**  
NCS S 2020-Y30R  
Welding Rod No. 1292372



**106**  
NCS S 3020-B70G  
Welding Rod No. 1291794



**107**  
NCS S 2020-R90B  
Welding Rod No. 1291210



**108**  
NCS S 4030-Y90B  
Welding Rod No. 1292379

# iQ Toro SC – the static conductive flooring

iQ Toro SC is a high-quality static control flooring with an electrical resistance of  $5 \times 10^4$ – $10^6$  ohms. It is developed for use in operating theatres, x-ray rooms, electronics industries, laboratories, explosion risk areas, computer rooms, etc. The ten fresh colours, in a classic non-directional design, offer great possibilities for creating stylish interior designs without having to compromise on function.

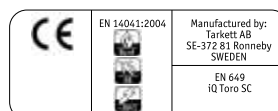


## Technical data for Toro SC

Toro SC is a homogeneous, conductive resilient flooring with iQ PUR for excellent wear resistance and cleaning characteristics. The advanced conductive properties are achieved by carbon-black particles running straight through the product, and a pure carbon backing. Rolls are installed with standard flooring adhesive. Tiles and copper strips always require conductive adhesive. The iQ PUR,

invented by Tarkett, and the raw material composition give iQ Toro SC the powerful advantages of our iQ floorings during its lifetime. iQ Toro SC has a non-directional design available in ten colours. The range is colour-coordinated with other homogeneous floorings from Tarkett. Areas of application for iQ Toro SC include the electronics and petrochemical industries, operating theatres, computer rooms, clean rooms and similar areas.

Technical data		iQ Toro SC
Type of flooring	EN 649	Permanently static conductive pressed homogeneous vinyl flooring
CE certification		Yes
Classification	EN 685	Commercial: 34 Industrial: 43
Wear layer thickness	EN 429	2,0 mm
iQ PUR		Yes
Total thickness	EN 428	2,0 mm
Total weight/m <sup>2</sup>	EN 430	3000 g
Dimensional stability	EN 434	≤ 0,40% for rolls ≤ 0,25% for tiles
Abrasion		
Thickness loss	EN 660: Part 1	Group P: ≤ 0,15 mm
Volume loss	EN 660: Part 2	Group P: ≤ 4,00 mm <sup>3</sup>
Residual indentation	EN 433	Approx. 0,03 mm
Castor chair test	EN 425	Suitable
Static electrical charge	EN 1815	< 2 kV
Electrical insulation	VDE 0100, Part 600	$R_i \leq 5 \times 10^6$ Ohms
Electrical resistance	ESD-approval SP method 2472 EN 1081  EN/IEC 61340-4-1 EN/IEC 61340-4-5	$R \leq 10^8$ Ohms $R_1 5 \times 10^4 \leq R \leq 10^6$ Ohms $R_2 5 \times 10^4 \leq R \leq 10^6$ Ohms $R 5 \times 10^4 \leq R \leq 10^6$ Ohms $\leq 3,5 \times 10^7$ Ohms
Underfloor heating		Suitable - max. 27°C
Impact sound resistance	EN ISO 717/2	Approx. + 4 dB
Thermal resistance	EN 12667/DIN 52612	Pending
Reaction to fire	EN 13501-1 EN ISO 9239-1 EN ISO 11925-2	Class B <sub>s1</sub> ≥ 8 kW/m <sup>2</sup> Pass
Light fastness	EN ISO 105-B02	≥ level 6
Chemical resistance	EN 423	Good resistance
Fungi and Bacteria resistance	DIN EN 846-A/C	Does not favour growth
Slip resistance	DIN 51130 EN 13893	R9 ≥ 0,3
Colours		10
Form of delivery	EN 426 Sheet (rolls)  EN 427 Tiles (box)	Approx. 23 r m x 200 cm art. no. 3093_ _ _ 3 digit colour number  61,0 x 61,0 cm 14 tiles/box=5,21 m <sup>2</sup> art. no. 3094_ _ _ 3 digit colour number



According to European Classification EN 685



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# INTELLIGENT FLOORING SOLUTIONS



## SYSTEM

Providing not just a product, but a complete functional solution designed to fully meet customer needs.

## SERVICE

Supporting customers from first consultation to product installation, and throughout its service life.

## SAVINGS

Finding materials, construction and solutions that minimise maintenance requirements, and achieve best life cycle costs.

## STYLE & DESIGN

Contributing to atmosphere, state of mind and emotion, to efficiency and a sense of well-being.

## SUSTAINABILITY & ENVIRONMENT

Taking the lead in promoting measures to help preserve a sustainable environment.

- Sales Offices
- Production Sites
- Recycling Plants



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