

GTI, THE ULTIMATE INTERLOCKING VINYL TILE
FOR INDUSTRIAL APPLICATIONS



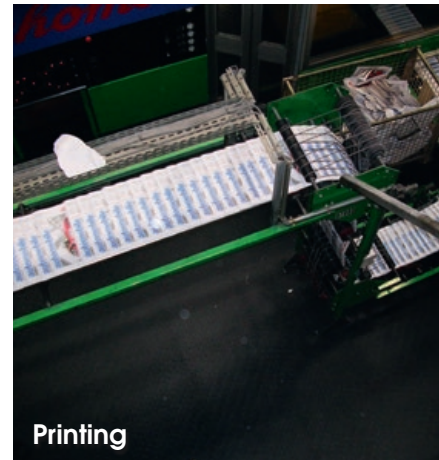
Gerflor[®]
theflooringgroup

FOR ALL INDUSTRIES

MANUFACTURING

"This Plug & Play flooring solution is perfect for our industrial production area."

M. PRAGER, Purchasing Manager



Printing

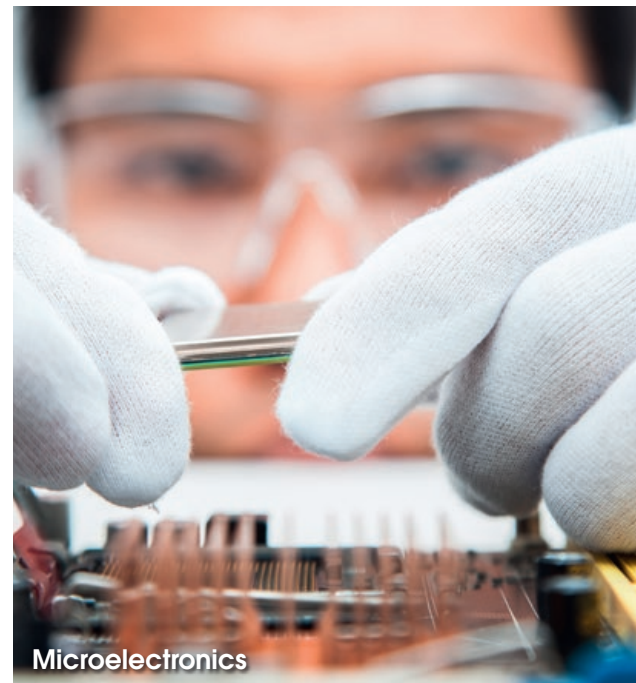
ELECTRONICS

"The dovetail connection is very discreet and gives the impression of a jointless continuous floor."

M. CAROLLO, Technical Support Manager



Mechanical



Microelectronics



Automotive



Pharmaceuticals



Cosmetics

AEROSPACE

"We were able to install the flooring in just one day, much sooner than the three days planned at the start of the project. Once the installation was complete, the area could be used immediately without any drying time."

M. BONNAL, Production and Building Maintenance Manager



Aerospace

» GTI KEY ADVANTAGES

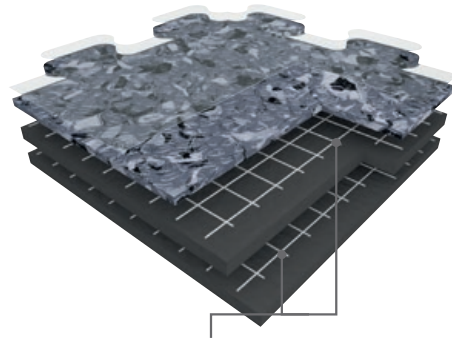
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GTI KEY ADVANTAGES » HIGH RESISTANCE

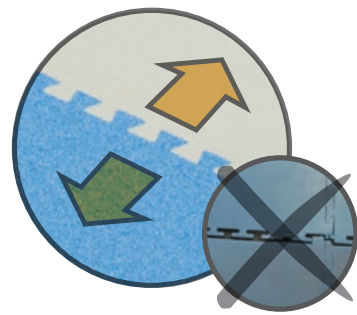
CERTIFIED
INDUSTRIAL PERFORMANCE



» Dynamic Resistance (up to 70 kg/cm² i.e. 700T/m²)



Double glassfibre grid for
exceptional dimensional
stability



Connection strength

» Resistance to chemicals

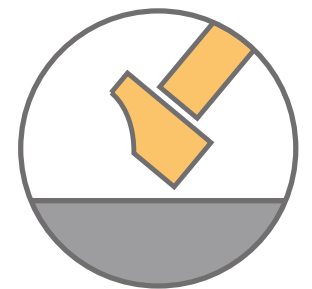


Extreme resistance
to harsh chemicals

» Static Resistance (up to 120 kg/cm² i.e. 1200T/m²)



Static resistance



Doesn't break when
metal pieces impact
on the floor

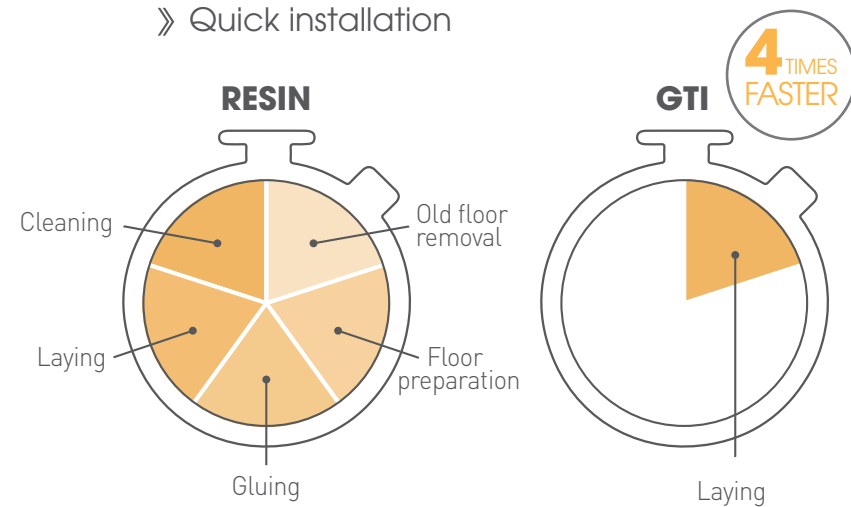
GTI KEY ADVANTAGES » FAST INSTALLATION

» No production shutdown

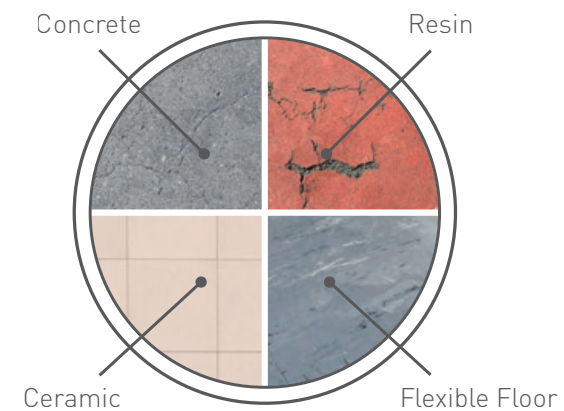


Quick connection
No glue
Clean installation
Almost no subfloor preparation required

» Quick installation



» Install directly onto old and «wet» floors



» Easy repair: Should damage occur, you can change your tile in a few seconds



Damaged tile out / New tile in



GTI KEY ADVANTAGES
» **ZONING & AESTHETICS**



GTI KEY ADVANTAGES
» **COMFORT & SAFETY** FOR YOUR EMPLOYEES

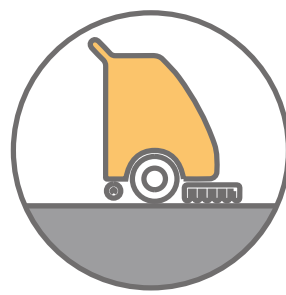
» Mix colours



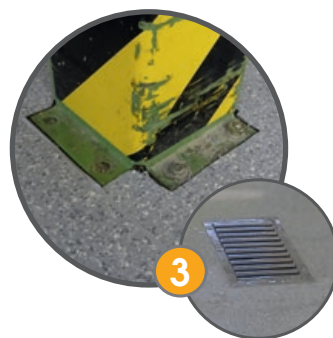
» Logos



» Easy to clean



» Easy to cut for a perfect fit



» One-piece effect!
Once installed, the connections are barely visible

4

» Comfortable for walking & standing



» Sound insulation



» Anti-slip performance





GTI KEY ADVANTAGES
» ESD CONTROL

» With GTI EL5 unique properties, you can fight against all Electrostatic Discharges (ESD)



- Meets all international standards (incl. IEC 61340-5-1 & ANSI/ESD S 20.20)
- Low electrostatic resistance
- Low static electrical propensity
- Electrostatic properties are guaranteed for life!

	GTI CLEANTECH		GTI CONNECT	
	Max	EL5	Max	EL5
» Mechanical resistance				
» Resistance to chemicals				
» Installation				
» Zoning & Aesthetics				
» Comfort & Safety				
» ESD control				
» Cleanroom suitability			-	-
» Watertightness				

GTI, THE FLOORING RANGE WITH
» UNRIVALLED PERFORMANCE

THE ULTRA-CLEAN SOLUTION!
» GTI CLEANTECH

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» WHICH GTI CLEANTECH
IN MY AREA?

GTI EL5 CLEANTECH



Explosive Risk area
(ATEX area)



GMP-Class A/B
cleanroom



Cleanroom for
Electronics

GTI MAX CLEANTECH



Laboratory



GMP-Class C/D
cleanroom

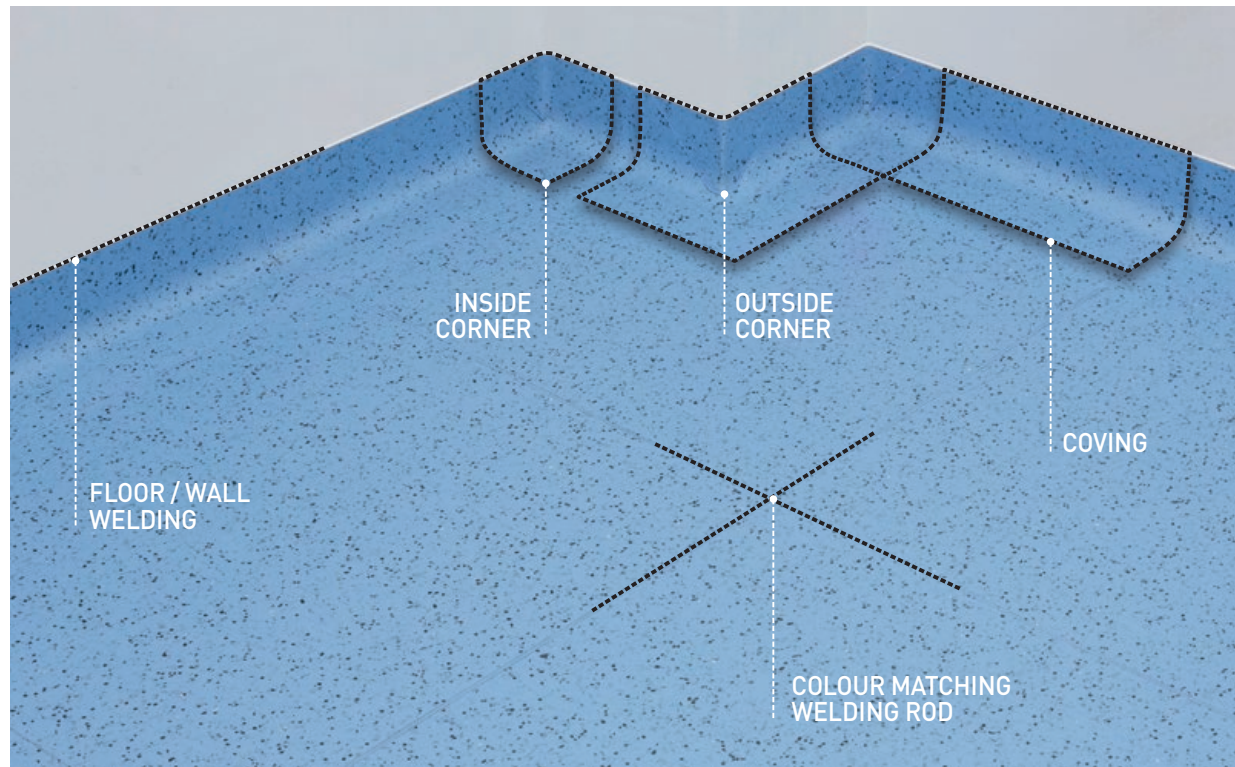


Wet area

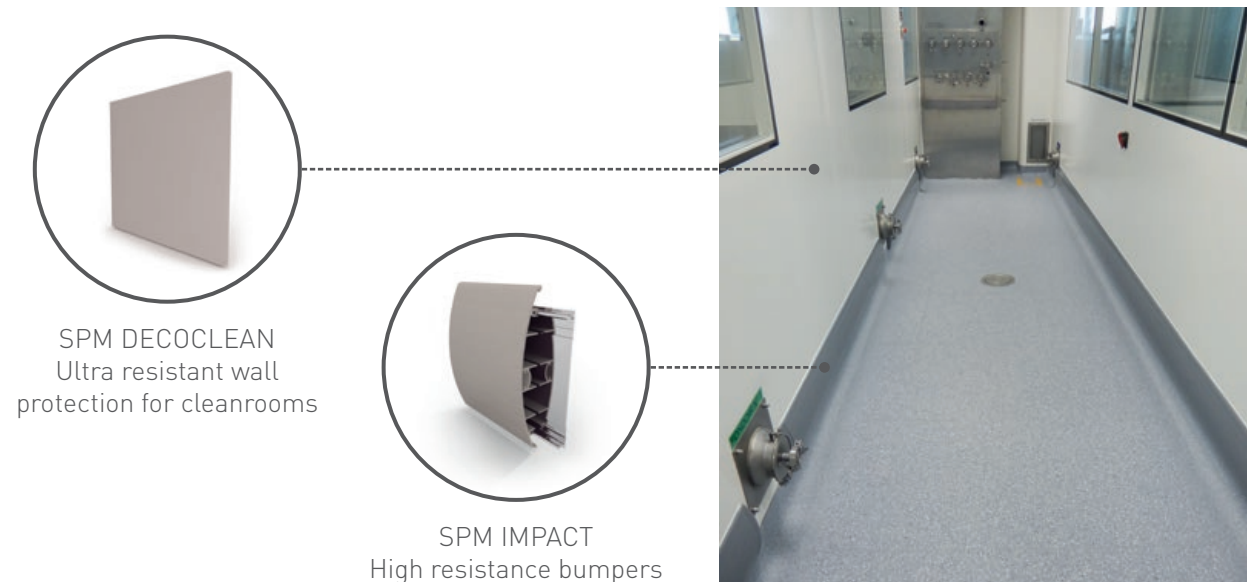
» COMPLETE FINISHING SOLUTIONS

GTI CLEANTECH

Watertight system



Wall protection



» TECHNICAL DESCRIPTION

GTI CLEANTECH

GTI EL5 CLEANTECH

GTI EL5 CLEANTECH is a multi-layered ESD vinyl tile, 6 mm thick, reinforced with 2 glass fibre grids. GTI EL5 CLEANTECH is available in square format with welded joints for clean environments and watertight systems requirements.

GTI EL5 CLEANTECH wearlayer is 2 mm vinyl homogeneous manufactured with continuous high pressure process, abrasion group P.

It offers an outstanding resistance to traffic.

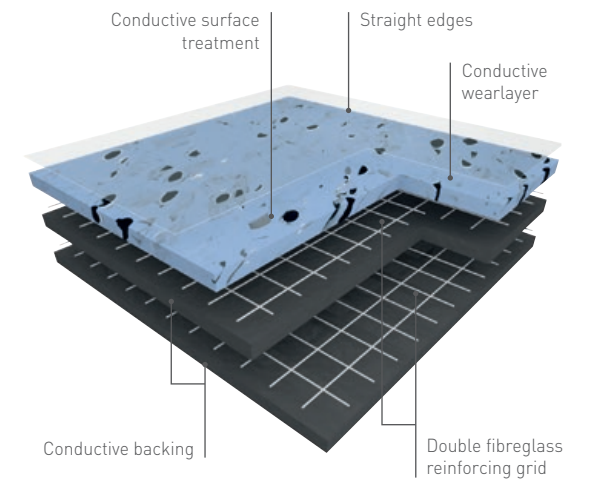
This floorcovering is treated with the latest improvements in polyurethane surface treatment obtained by UV laser cross-linking. It offers easy maintenance and resistance against staining of chemical products used in industry ; and decontamination protocols.

This treatment has excellent maintenance characteristics; it requires no wax for life!

The carbon encapsulated granules throughout its full thickness and the conductive backing and conductive surface treatment ensure optimal and consistent static-conductive properties throughout its full life expectancy:

- $5 \times 10^4 < R_g < 10^6$ according to EN 1081
- $R_{gp} < 10^9$ according to IEC 61340-4-1
- $R_{gp} < 10^9$ according to ANSI/ESD S 20.20

- < 100 V according to IEC 61340-4-5
 - < 100 V according to ANSI/ESD STM 97.2
- The product is non-emissive of volatile organic compounds with $< 10 \mu\text{g}/\text{m}^3$ (TVOC after 28 days ISO 16000-6).



GTI MAX CLEANTECH

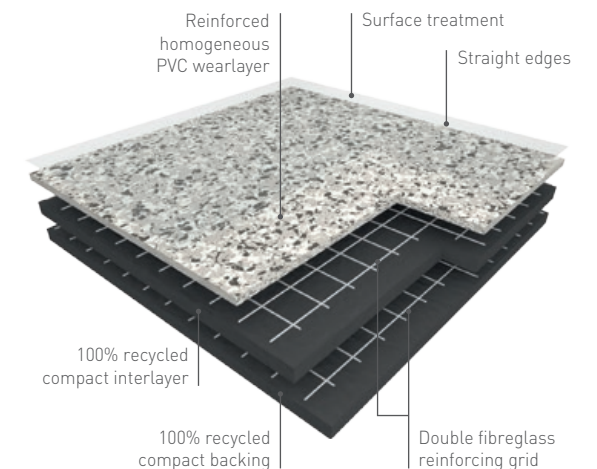
GTI MAX CLEANTECH is a multi-layered vinyl tile with polyurethane treatment, 6 mm thick with heat-welded joints, abrasion group T. It is manufactured by GERFLOR using a continuous high pressure process.

The GTI MAX wearlayer is reinforced by specific oblong fillers that offers an outstanding resistance to traffic.

GTI MAX is reinforced with 2 glass fibre grids on either side of an intermediate pressed homogeneous layer.

GTI's backing is a 4 mm thick black pressed homogeneous sheet, its surface is a colored and reinforced homogeneous sheet 2 mm thick.

It is made of 100% controlled recycled materials. It is 100% recyclable and made with up to 80% recycled content.



THE PLUG & PLAY SOLUTION!
» GTI CONNECT

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» WHICH GTI CONNECT
IN MY AREA?

GTI MAX CONNECT



Production



Packaging



Storage

GTI EL5 CONNECT



Electronics
production



Electronics storage

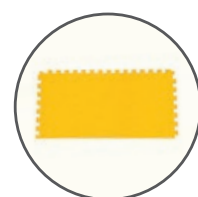


Datacenter

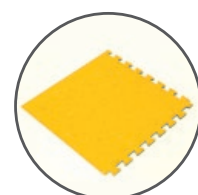
» COMPLETE FINISHING SOLUTION

GTI CONNECT

Finishes



ACCESS



CORNER



ROMUS ENTRANCE MAT



ALUMINIUM PROFILE

Standard Logos



0001 Caution



0004 Stop



0003 Arrow



0002 Forklift



0005 No entry

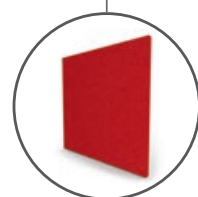
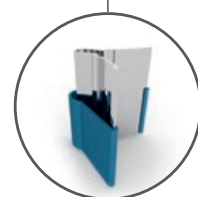


0006 Pedestrian



2724 ESD

Wall protection

SPM DECOCHOC
High resistance
wall panelsSPM IMPACT
High resistance
bumpersSPM CORNEA
High resistance
corner protection

» TECHNICAL DESCRIPTION

GTI CONNECT

GTI EL5 CONNECT

GTI EL5 CONNECT is a multi-layered ESD vinyl tile, 6 mm thick, reinforced with 2 glass fibre grids. GTI EL5 CONNECT tiles can be installed using interlocking system with dove tails.

GTI EL5 CONNECT wearlayer is 2 mm vinyl homogeneous manufactured with continuous high pressure process, abrasion group P.

It offers an outstanding resistance to traffic.

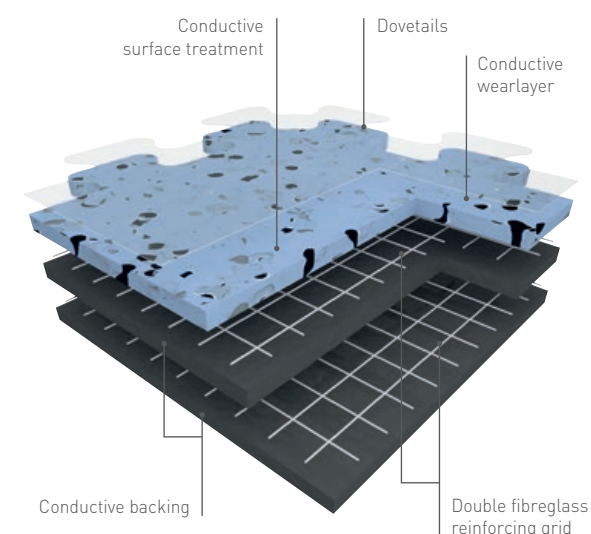
This floorcovering is treated with the latest improvements in polyurethane surface treatment obtained by UV laser cross-linking. It offers easy maintenance and resistance against staining of chemical products used in industry ; and decontamination protocols.

This treatment has excellent maintenance characteristics; it requires no wax for life!

The carbon encapsulated granules throughout its full thickness and the conductive backing and conductive surface treatment ensure optimal and consistent static-conductive properties throughout its full life expectancy:

- $5 \times 10^4 < R_g < 10^6$ according to EN 1081
- $R_{gp} < 10^9$ according to IEC 61340-4-1
- $R_{gp} < 10^9$ according to ANSI/ESD S 20.20

- < 100 V according to IEC 61340-4-5
 - < 100 V according to ANSI/ESD STM 97.2
- The product is non-emissive of volatile organic compounds with $< 10 \mu\text{g}/\text{m}^3$ (TVOC after 28 days ISO 16000-6).



GTI MAX CONNECT

GTI MAX CONNECT is a multi-layered interlocking vinyl tile with polyurethane treatment, 6 mm thick with a dovetail joint, abrasion group T. It is manufactured by GERFLOR using a continuous and exclusive high pressure process.

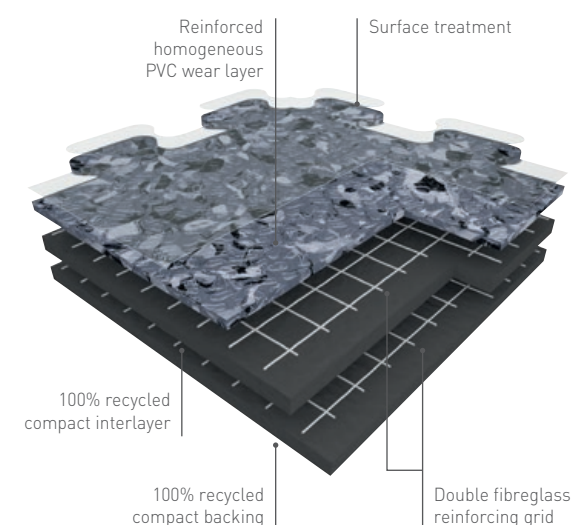
The GTI MAX CONNECT wearlayer is reinforced by specific oblong fillers that offers an outstanding resistance to traffic.

GTI MAX CONNECT is reinforced with 2 glass fibre grids on either side of an intermediate pressed homogeneous layer.

GTI's backing is a 4 mm thick black pressed homogeneous sheet, its surface is a colored and reinforced homogeneous sheet 2 mm thick.

It is made of 100% controlled recycled materials.

It is 100% recyclable and made with up to 80% recycled content.



» COLOR RANGE GTI MAX

HEAVY DUTY

0249 - Carbon

0266 - Peler

0252 - Titanium

0253 - Aluminium

0255 - Saphir

0247 - Magma

0267 - Levante

0264 - Ponente

0265 - Maestral

ZONING

0232 - Red

0230 - Blue

0233 - Green

0231 - Yellow

0235 - Dark Grey

0234 - Clear Grey

0236 - Black

DESIGN

0268 - Ermellino

0259 - Grecale

0261 - Scirocco

0263 - Bora

0262 - Libeccio

0260 - Ora

1249 - Tramontana

» COLOR RANGE GTI EL5

ESD

0354 - Blue

0350 - Light Grey

0353 - Beige

0352 - Grey

0351 - Black

» TECHNICAL DATAS

				GTI CONNECT		GTI CLEANTECH	
				MAX	EL5	MAX ⁽¹⁾	EL5
INDUSTRIAL PERFORMANCE							
Industrial performance	IPRU class	-	4/2/2/4	-	-	4/2/2/4	-
Impact resistance	Cahier CSTB 3562	I class	4 - excellent	-	-	4 - excellent	-
Indentation resistance	ISO 868	P class	2 - good	-	-	2 - good	-
Shifting resistance	Cahier CSTB 3562	R class	2 - good	-	-	2 - good	-
Resistance to forklift traffic	XP P 11-101	U class	4 - excellent	-	-	4 - excellent	-
Resistance to chemicals	EN ISO 26987 [EN 423]	-	OK	OK	OK	OK	OK
	ASTM F 925	-	Good	Excellent	Good	Excellent	
ESD PERFORMANCE							
Protection against ESDs	IEC 61340-5-1	-	-	OK	-	OK	
	ANSI/ESD S 20.20	-	-	OK	-	OK	
Electrical resistance	IEC 61340-4-1	Ω	-	Rgp < 10 ⁹	-	Rgp < 10 ⁹	
	ANSI/ESD S 7.1	Ω	-	Rgp < 10 ⁹	-	Rgp < 10 ⁹	
	ANSI/ESD S 7.1	Ω	-	Rp-p < 10 ⁹	-	Rp-p < 10 ⁹	
	IEC 61340-4-5	Ω	-	Rg < 10 ⁹	-	Rg < 10 ⁹	
	ANSI/ESD STM 97.1	Ω	-	Rg < 10 ⁹	-	Rg < 10 ⁹	
	EN 1081	Ω	-	5x10 ⁴ < Rg < 10 ⁶	-	5x10 ⁴ < Rg < 10 ⁶	
	ASTM F 150	Ω	-	2.5x10 ⁴ < Rg < 10 ⁶	-	2.5x10 ⁴ < Rg < 10 ⁶	
	IEC 61340-4-5	V	-	< 100 V ⁽²⁾	-	< 100 V ⁽²⁾	
Charge potential	ANSI/ESD STM 97.2	V	-	< 100 V ⁽²⁾	-	< 100 V ⁽²⁾	
CLEANROOM PERFORMANCE							
Cleanroom suitability	ISO 14644-1 class	-	-	-	-	ISO 7	ISO 5
	GMP/BPF class	-	-	-	-	C/D	A/B
DESCRIPTION							
Total thickness	EN ISO 24346 [EN 428]	mm	6	6	6	6	
Weight	EN ISO 23997 [EN 430]	g / m ²	9380	9240	9380	9240	
Connection system	-	-	Interlocking	Interlocking	Hot-welding (watertight)	Hot-welding (watertight)	
Dimensions	EN ISO 24342 [EN 427]	mm	635 x 635	635 x 635	600 x 600 ⁽¹⁾	650 x 650	
Fire Rating	EN 13 501-1	Class	Bfl-s1	Bfl-s1	Bfl-s1	Bfl-s1	
Classement UPEC	NF 189	-	U4P4S E2C2	U4P3 E2C2	U4P4S E2C2	-	
Wear group	EN 651 / [EN 649]	group	T	P	T	P	
Hardness - Shore A	EN ISO 868	HD	> 90	> 90	> 90	> 90	
Hardness - Shore D	EN ISO 868	HD	> 55	> 55	> 55	> 55	
Slip resistance wet	DIN 51 130	Class	R10	R9	R10	R9	
Coefficient of friction	ASTM D 2047	-	Meets requirements				
Dynamic anti-slip properties	ANSI A 137.1	-	Meets requirements				
Dimensional stability	EN ISO 23999 [EN 434]	%	-	≤ 0.25	-	≤ 0.25	
Colour fastness	EN 20 105 - B02	degree	≥ 6	≥ 6	≥ 6	≥ 6	
Static electrical propensity	EN 1815	Kv	< 2	< 2	< 2	< 2	
ENVIRONMENT - INDOOR AIR QUALITY							
TVOC after 28 days	ISO 16000-6	µg / m ³	<100	<10	<100	<10	
Certification	-	-	Floorscore®	Floorscore®	Floorscore®	Floorscore®	
CE MARKING							
CE				EN 14041			

[1] Available upon request. [2] Measured with ESD shoes (ABEBA or Uvex).

IMPORTANT: The information contained in this document is valid from 01/08/2017 and is subject to change at any time without notice. In the context of constantly changing technology, our customers are responsible, prior to any use, for checking with us that this document is the version in force.

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**ARCHITECTURE
DECORATION
SPORT
TECHNOSPECIFIC**

**GTI MAX: LESS ADHESIVE, MORE RECYCLING**

COMPOSITION
100% REACH



INSTALLATION
Adhesive free



**INDOOR
AIR QUALITY**
10 times lower
than norms requirements
(TVOC < 100 µg/m³ after 28 days)



**RECYCLED
CONTENT**
80%



RECYCLABILITY
100%
recyclable product



LCA
Eco-designed
according to a
product specific Life
Cycle Analysis

Gerflor®
theflooringgroup