GTI, THE ULTIMATE INDUSTRIAL FLOOR
FOR HEAVY TRAFFIC AREAS

FAST INSTALLATION
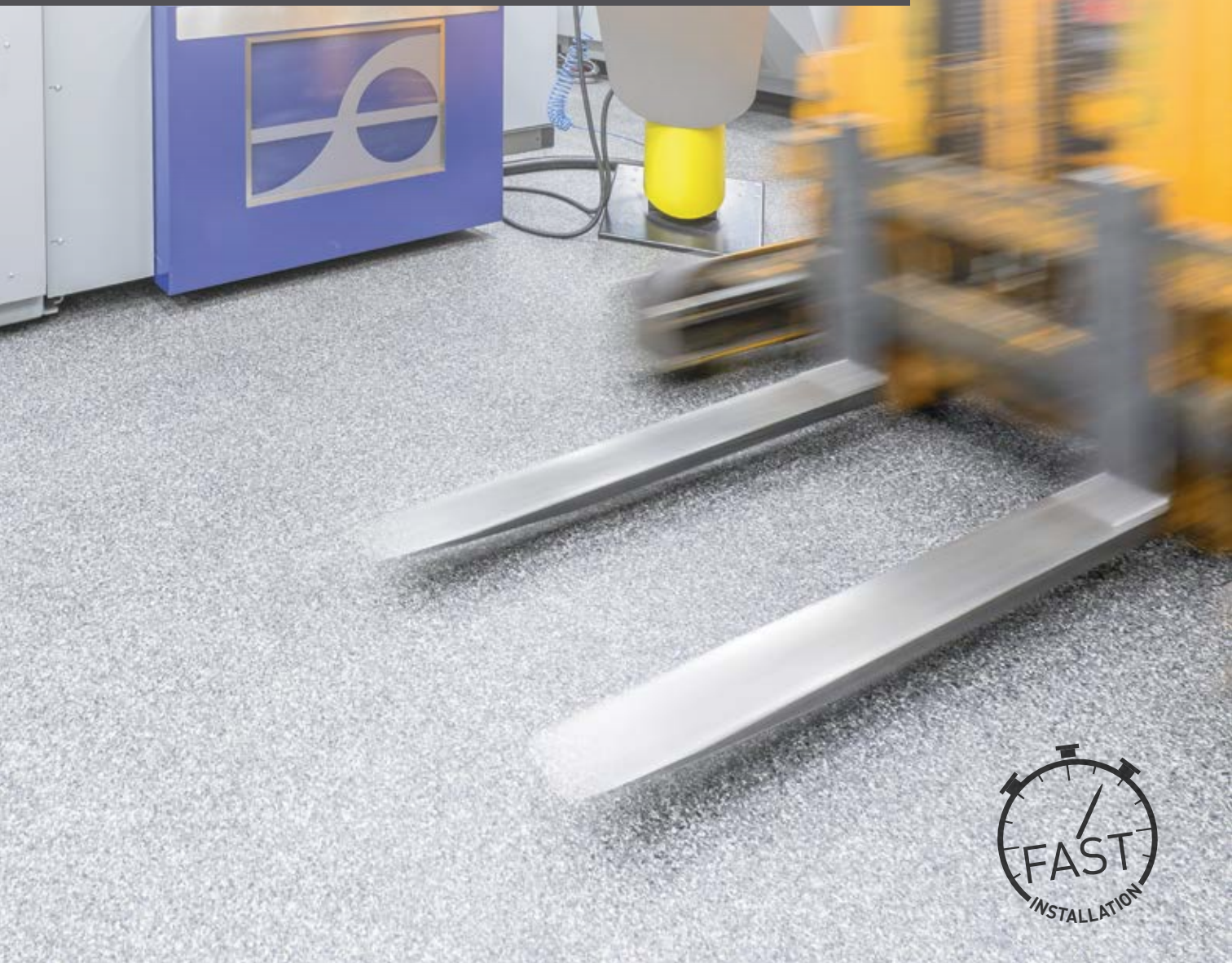
Gerflor®
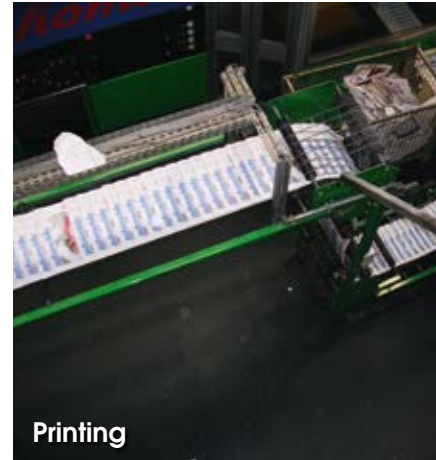### theflooringroup

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."
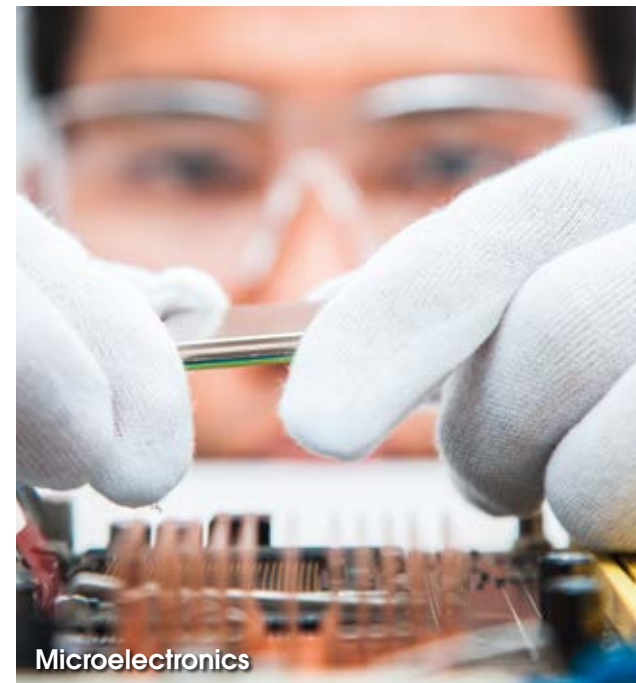
M. CAROLLO, Technical Support Manager

Microelectronics

Automotive

Pharmaceuticals

Mechanical

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
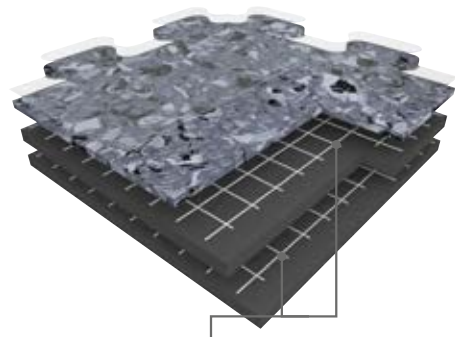
Aerospace

〉GTI KEY ADVANTAGES

» HIGH RESISTANCE

CERTIFIED
INDUSTRIAL PERFORMANCE

CSTB
le futur en construction
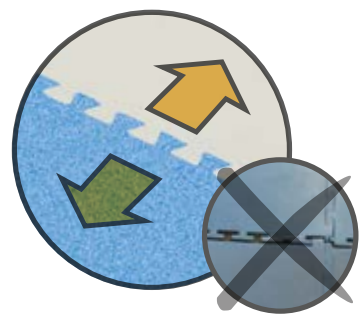
» Dynamic Resistance
(up to 70 kg/cm² i.e. 700T/m²)

Double glassfibre grid for exceptional dimensional stability

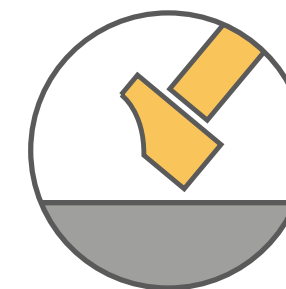Connection strength

» Resistance to chemicals

Extreme resistance to harsh chemicals

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

Static resistance

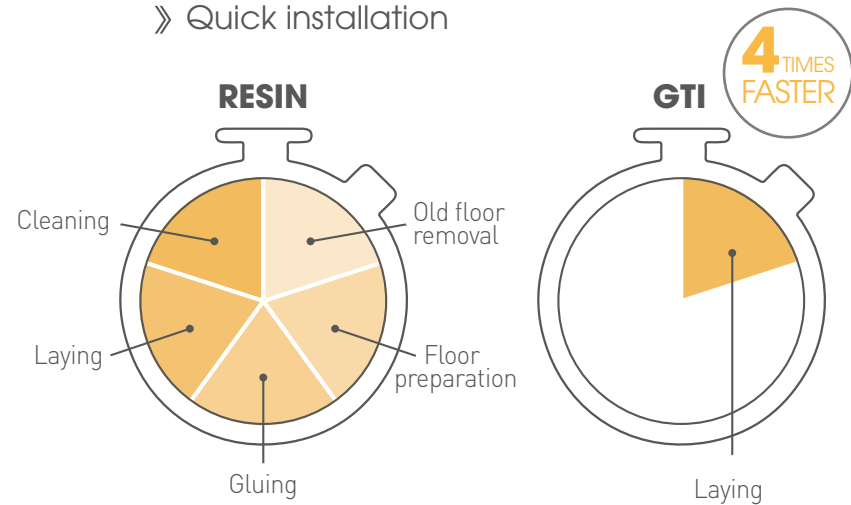Doesn't break when metal pieces impact on the floor

FAST INSTALLATION

» No production shutdown

Quick connection
No glue
Clean installation
Almost no subfloor preparation required

» Quick installation

RESIN

Cleaning
Old floor removal
Laying
Floor preparation
Gluing

GTI

4 TIMES FASTER

Laying

» Install directly onto old and «wet» floors

Concrete
Resin
Ceramic
Flexible Floor
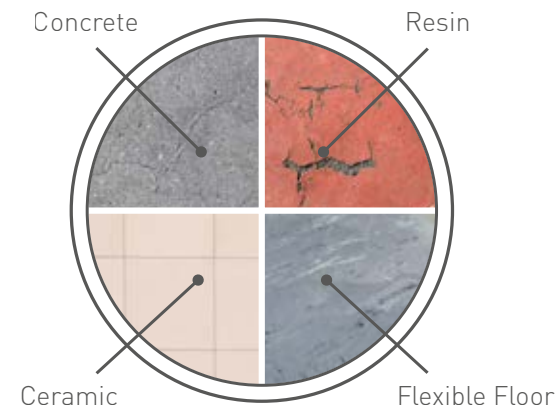
» Easy repair: Should damage occur, you can change your tile in a few seconds

Damaged tile out / New tile in

GTI KEY ADVANTAGES
ZONING & AESTHETICS

GTI KEY ADVANTAGES
COMFORT & SAFETY FOR YOUR EMPLOYEES
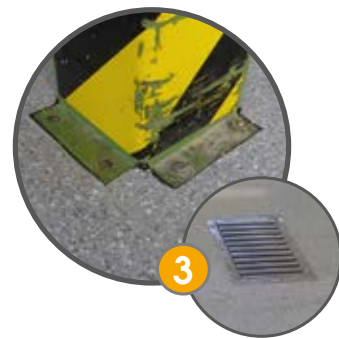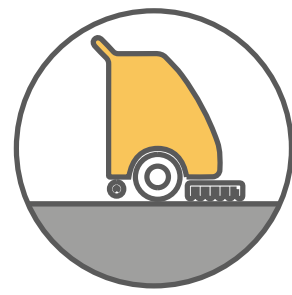
》 Mix colours

》 Logos

》 Easy to clean

》 Easy to cut for a perfect fit

》 Comfortable for walking & standing

》 Sound insulation

》 Anti-slip performance

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

ESD CONTROL

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

» 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 electrostatical resistance
• Low static electrical propensity
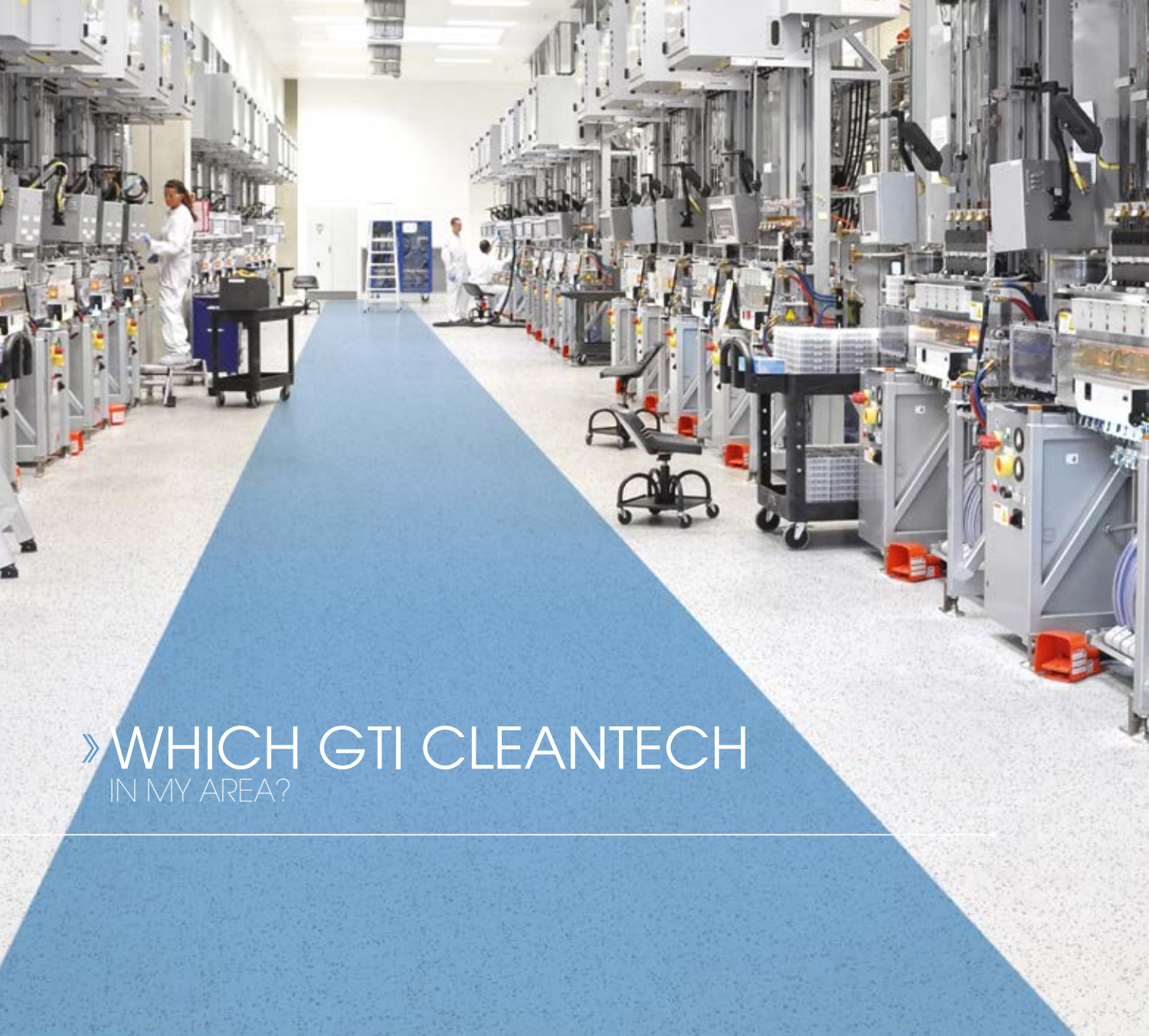• Electrostatic properties are guaranteed for life!

GTI, THE FLOORING RANGE WITH
UNRIVALLED PERFORMANCE

THE ULTRA-CLEAN SOLUTION!

》GTI CLEANTECH

»WHICH GTI CLEANTECH
IN MY AREA?

GTI **EL5** CLEANTECH

Explosive Risk area
(ATEX area)

GMP-Class A/B
cleanroom

Cleanroom for
Electronics

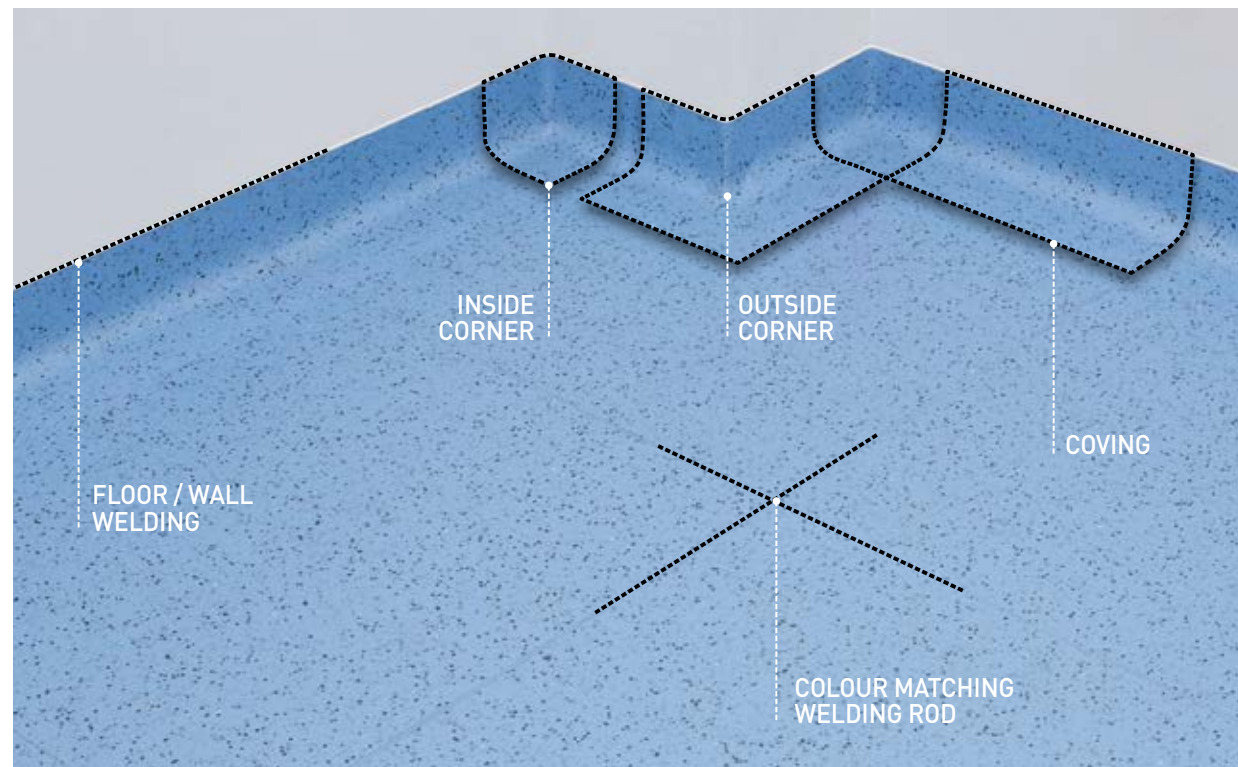## GTI **MAX** CLEANTECH

Laboratory

GMP-Class C/D
cleanroom

Wet area

❯ COMPLETE FINISHING SOLUTIONS
GTI CLEANTECH

❯ TECHNICAL DESCRIPTION
GTI CLEANTECH

Watertight system

INSIDE CORNER

OUTSIDE CORNER

COVING

FLOOR / WALL WELDING

COLOUR MATCHING WELDING ROD

Wall protection

SPM DECOCLEAN
Ultra resistant wall protection for cleanrooms

SPM IMPACT
High resistance bumpers

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.

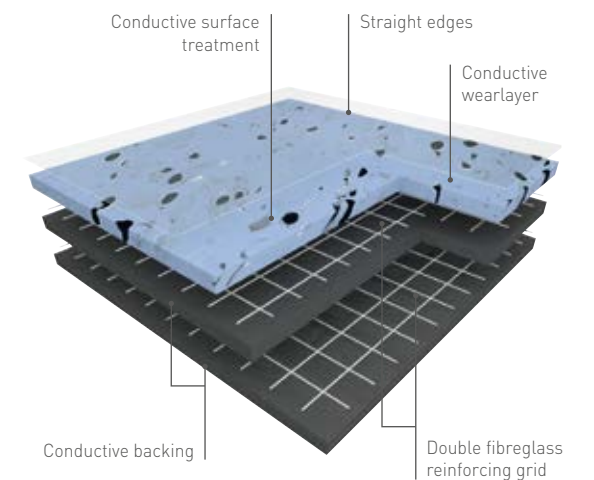It offers an outstanding resistance to traffic.

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:

• $5 \times 10^4 < Rg < 10^6$ according to EN 1081
• $Rgp < 10^9$ according to IEC 61340-4-1
• $Rgp < 10^9$ 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 µg/m³ (TVOC after 28 days ISO 16000-6).

Conductive surface treatment

Straight edges

Conductive wearlayer

Conductive backing

Double fibreglass reinforcing grid
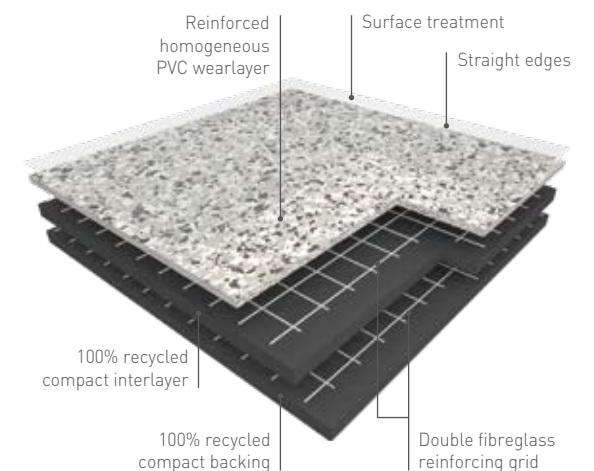
GTI MAX CLEANTECH

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.

Reinforced homogeneous PVC wearlayer

Surface treatment

Straight edges

100% recycled compact interlayer

100% recycled compact backing

Double fibreglass reinforcing grid

THE PLUG & PLAY SOLUTION!

》GTI CONNECT

P. 20-25

› WHICH GTI CONNECT
IN MY AREA?

GTI **MAX** CONNECT

Production

Packaging

Storage

GTI **EL5** CONNECT

Electronics production

Electronics storage

Datacenter
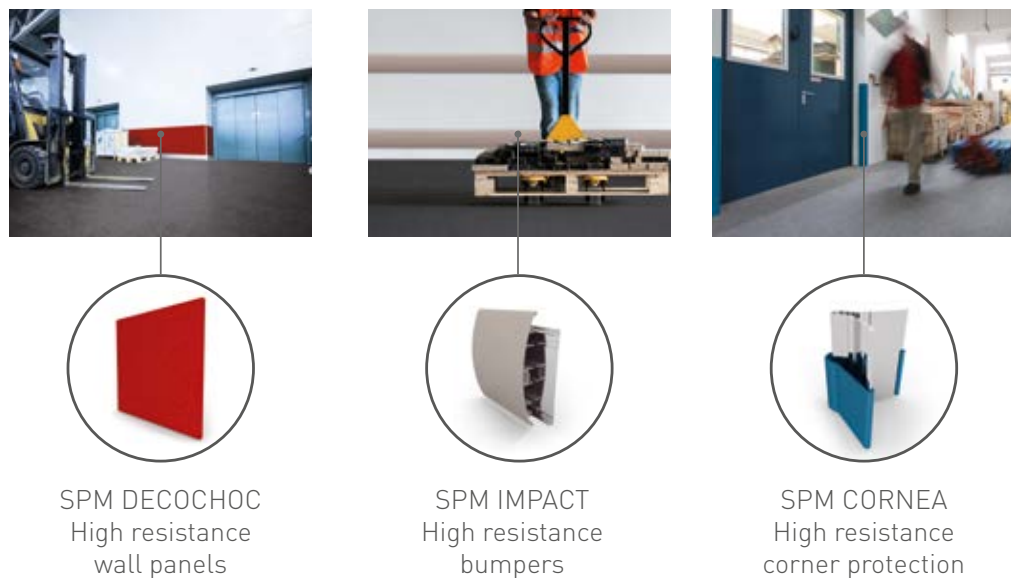
» COMPLETE FINISHING SOLUTION
GTI CONNECT

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 panels

SPM IMPACT
High resistance
bumpers

SPM CORNEA
High resistance
corner protection

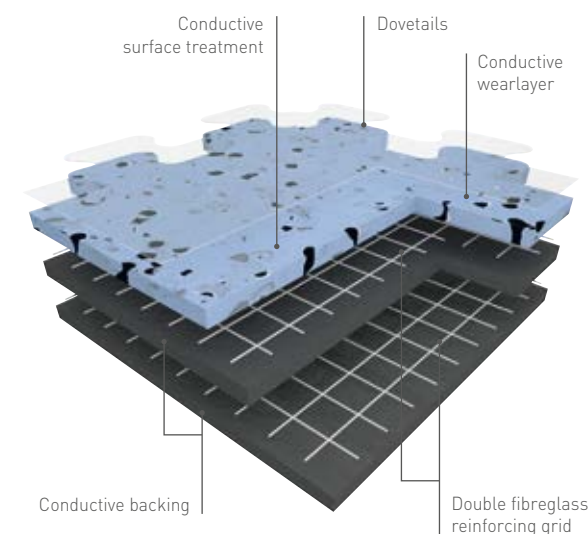# » TECHNICAL DESCRIPTION
GTI CONNECT

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:
• $5x10^4 < Rg < 10^6$ according to EN 1081
• $Rgp < 10^9$ according to IEC 61340-4-1
• $Rgp < 10^9$ 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 µg/m³ (TVOC after 28 days ISO 16000-6).

Conductive surface treatment | Dovetails | Conductive wearlayer | Conductive backing | Double fibreglass reinforcing grid

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.
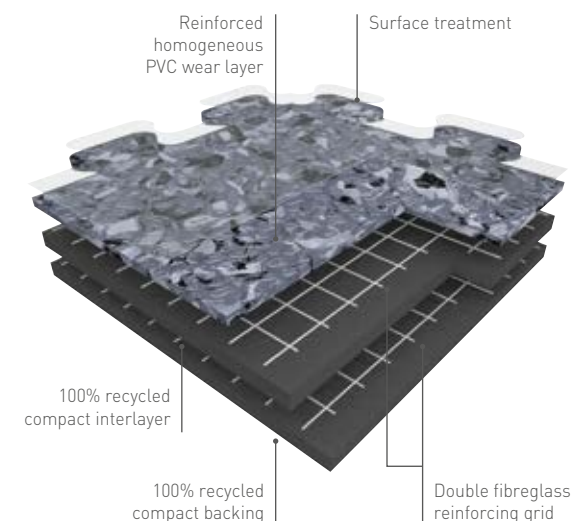The GTI MAX CONNECT wearlayer is reinforced by specific oblong fillers that offers an outstanding resistance to traffic.
GTI MAX CONNECT is reinforced with 2 glass fibre grids on either side of an intermediate pressed homogeneous layer.
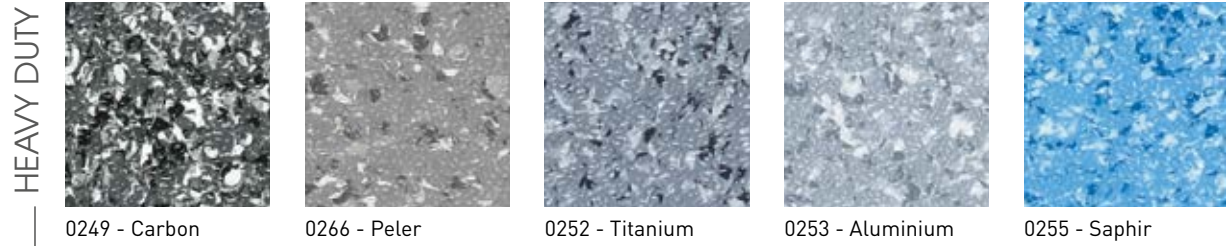GTI's backing is a 4 mm thick black pressed homogeneous sheet, its surface is a colored and reinforced homogeneous sheet 2 mm thick.
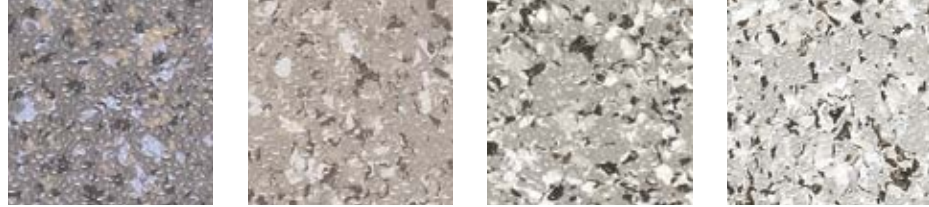It is made of 100% controlled recycled materials.
It is 100% recyclable and made with up to 80% recycled content.

Reinforced homogeneous PVC wear layer | Surface treatment | 100% recycled compact interlayer | 100% recycled compact backing | Double fibreglass reinforcing grid
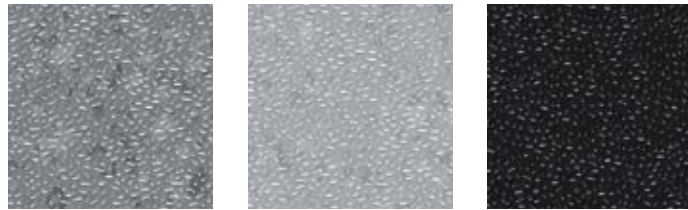
» COLOR RANGE GTI MAX

HEAVY DUTY

0249 - Carbon

0266 - Peler

0252 - Titanium

0253 - Aluminium

0255 - Saphir

0247 - Magma

0267 - Levante

0264 - Ponente

0265 - Maestral

ZONING
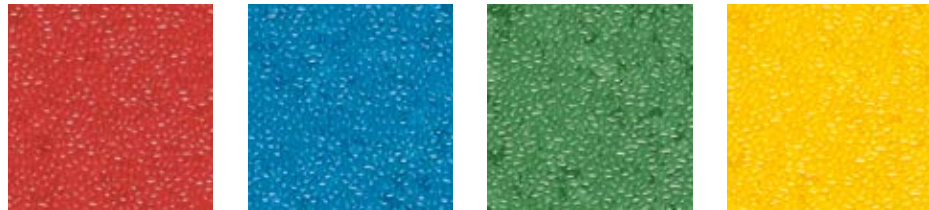
0232 - Red

0230 - Blue

0233 - Green

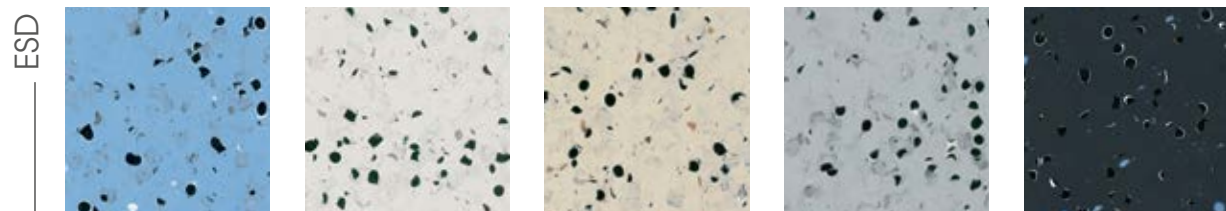
0231 - Yellow

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
	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	-	$Rp\text{-}p < 10^9$	-	$Rp\text{-}p < 10^9$
	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	-	$5\times10^4 < Rg < 10^6$	-	$5\times10^4 < Rg < 10^6$
	ASTM F 150	Ω	-	$2.5\times10^4 < Rg < 10^6$	-	$2.5\times10^4 < Rg < 10^6$
Charge potential	IEC 61340-4-5	V	-	$< 100\ V^{(2)}$	-	$< 100\ V^{(2)}$
	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 / m²	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 / m³	<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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industry@gerflor.com

**ARCHITECTURE
DECORATION
SPORT
TECHNOSPECIFIC**

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GTI MAX: LESS ADHESIVE, MORE RECYCLING

REACH
COMPOSITION
100% REACH

INSTALLATION
Adhesive free

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

RECYCLED CONTENT
**RECYCLED
CONTENT**
80%

RECYCLABILITY
100%
recyclable product

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

Gerflor®
theflooringgroup