



GT DECK



TECHNICAL DATA SHEETS



www.guardtech.com



0330 113 0303



sales@guardtech.com



Guardtech House, Unit 1A Homefield Road, Haverhill, Suffolk, CB9 8QP



DIRECTORY



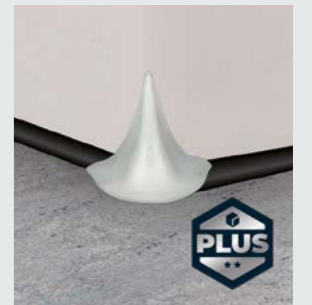
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GT DECK CLEANROOM FLOORS



Guardtech offer a range of flooring solutions to best suit the needs of your application. Whether it's budget, lead time or performance that matters most, Guardtech provide a comprehensive choice of flooring options to ensure your process requirements are achieved.

From our more economical homogeneous sheet and tile floor covering to the more commonly used ESD vinyl, through to our elite-level raised access flooring solution, the Guardtech Group's Directors, Design Engineers and Installation team have worked together to carefully select four industry-leading filtration options for your consideration.

Read on to discover the benefits and compromises of the different choices we have, then use this guide to make the most informed flooring choice possible.

Let Guardtech take your operation to the next level.



DECK MAX

GT Deck Max is Guardtech's elite-level flooring solution – a very high performing homogeneous vinyl floor covering in tile form designed for cleanroom applications adhering to the most stringent standards.



DECK PRO

GT Deck Pro is a superior anti-static ESD dissipative flexible vinyl floorcovering available in both sheet and tile – this 2mm homogeneous material is calendered and pressed for high performance.



DECK PLUS

A homogeneous coved vinyl flooring solution that offers superior performance for controlled environments, is scratch resistant and maintains its colour brightness for relatively long periods of time.



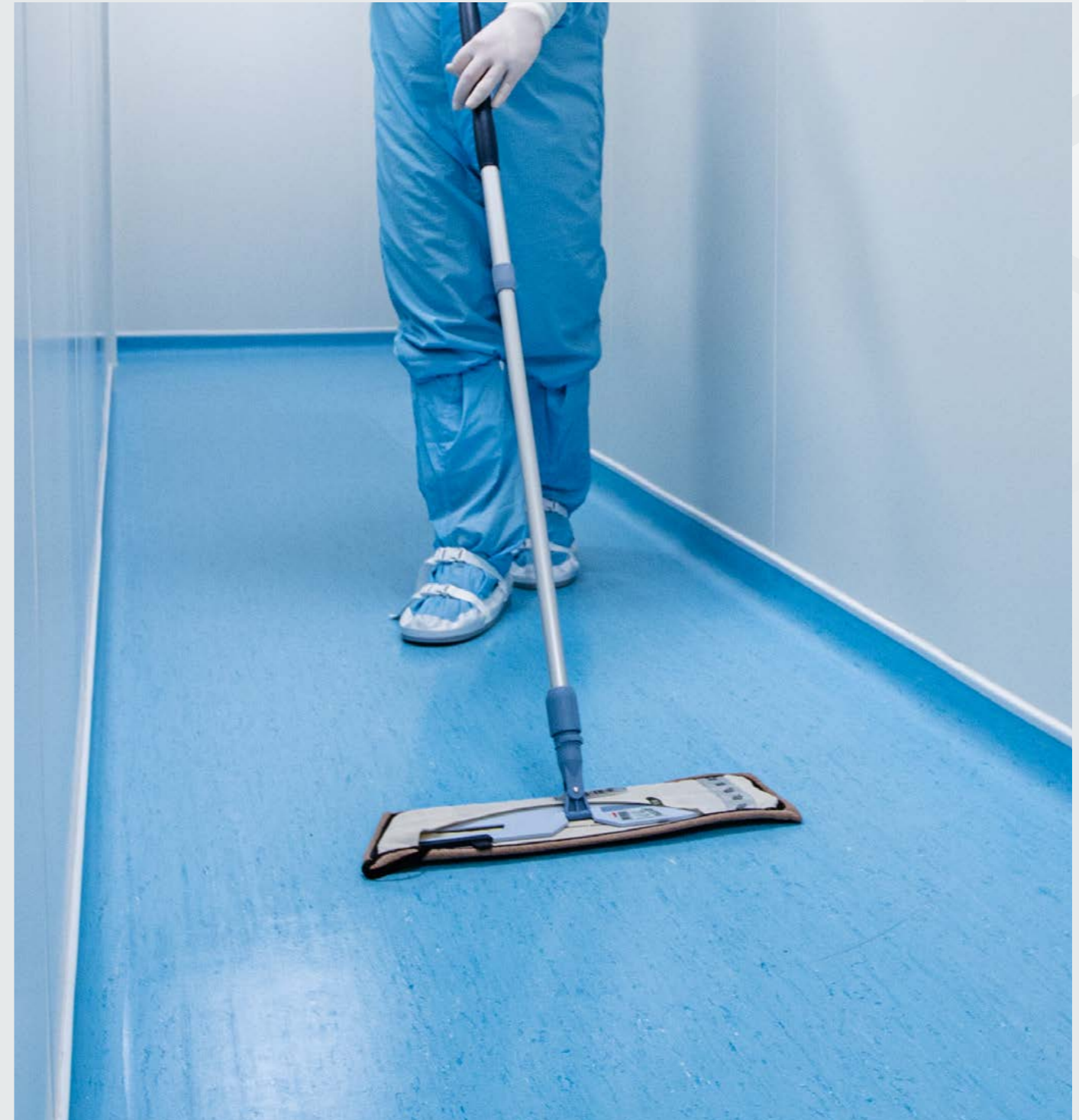
DECK LITE

GT Deck Lite is the Guardtech Group's entry-level cleanroom flooring solution – a multi-layered polyurethane-treated interlocking loose-lay vinyl tile that is intelligently engineered to withstand heavy traffic.



DECK FIRE

This product range does not currently include a Fire Rated solution. Please consult a Guardtech rep for more information on your fire safety options.





GT DECK MAX



GT Deck Max is Guardtech's elite-level flooring solution – a very high performing homogeneous vinyl floor covering in tile form designed for cleanroom applications adhering to the most stringent standards.

GT Deck Max is a very high performing homogeneous vinyl floor covering in tile form designed for cleanroom applications.

It is highly resistant to microbiological damage and has excellent resistance to chemicals and staining.

GT Deck Max is coated with a photo-reticulated polyurethane surface treatment that provides surface finish and cleanability suitable for clean-

room contamination control.

It can comfortably withstand hydrogen peroxide (H₂O₂) type decontamination processes.

Suitable for high footfall and heavy loads, GT Deck Max is available in 15 non-directional colour references with a choice of vibrant and natural tones with a high-quality matt effect finish. ESD options are available on request.



TECHNICAL FEATURES

	STANDARD	UNIT	PERFORMANCE
Total thickness	EN ISO 24346	mm	2 (0.08")
Weight	EN ISO 23997	g/sq.m	2680
Roll Width / Length	EN ISO 24341	m	2x20 (6'6" x 66')
Tile Format*	EN ISO 24342	mm	608x608 (23.9" x 23.9')
Norm / Product specification	-	-	EN ISO 10581
European Classification	EN ISO 10874	classe	34 - 43
Binder Content	EN ISO 10581	Type	I
Reference specification	ASTM F1913	-	Meets requirements

	STANDARD	UNIT	PERFORMANCE
Particulate emission	ISO 14644-1 FS 209E	-	ISO 3 Class 1
Air cleanliness class	ISO 16000-6/-9/-11	µg/m ² /h	TCOV = unmeasurable (at 23°C) ACCM/AMCm ≤ - 9,6
Static electrical propensity	EN 61340-5-1	kV	Antistatic < 2
Particulate cleanability	VDI 2083 part 9.1 ISO 14644-9	%	98.6% reduction in particulate contamination
Antibacterial activity	ISO 22196	-	99% (inhibits growth)
Fire behavior	EN 13501-1		Bfl-s1
Fire rating	ASTM E 648	class	Class 1
Non-slip properties	EN 16165 annexe B (DIN 51130)	class	R9



SWATCH OPTIONS



PRODUCT FEATURES

HIGH GRADE SUITABILITY

Certified ISO 3 and Class A (GMP) for use in cleanroom

SUPERIOR RESISTANCE

Excellent resistance to staining and chemicals

HEAVY-DUTY SOLUTION

Suitable for high footfall and heavy static and dynamic loads

IDEAL FOR THE DEEPEST CLEANS

Suitable for cleanroom contamination control cleaning methods (H₂O₂)

ESD OPTION AVAILABLE

Contemporary matt finish with anti-microbial properties

ECO-FRIENDLY OPTION

100% recyclable and contains 25% recycled content

BENEFITS

- Certified for use in ISO 3 cleanrooms
- Excellent resistance to staining and chemicals
- Integrated colour and non-directional design.
- Suitable for high footfall and heavy static and dynamic loads.
- Suitable for cleanroom contamination control cleaning methods (H₂O₂).
- Highly flexible, easy to install and weld

COMPROMISES

- Potentially longer lead times than the other GT Deck solutions
- Highest price point in the range

APPLICATIONS



GT Deck Max suits the most demanding of applications, typically where particulate needs to be controlled to extremely tight tolerances. This often includes cleanrooms with an ISO5 or 6 classification, as well as those required to comply with cGMP conditions outlined in EU GMP Annex 1, ISO 14644-1 and US FS209E.



GT DECK PRO



GT Deck Pro is a superior anti-static ESD dissipative flexible vinyl floorcovering available in both sheet and tile – this 2mm homogeneous material is calendered and pressed for high performance.

GT Deck Pro is a dissipative flexible homogeneous ESD anti-static vinyl floorcovering available in both sheet and tile.

The 2mm homogeneous material is calendered and pressed. It has permanent anti-static properties (< 100 V). It acts as a continuous dissipative $10^6 < Rt < 10^8$ (EN 1081).

This floorcovering is treated with Evercare: the latest improvements in polyurethane surface treatment obtained by UV laser cross-linking. Evercare avoids stain of

chemical products used in healthcare like betadine, eosin or anti-bacterial hand gel and increases the durability of the flooring.

This treatment has excellent maintenance characteristics, requiring no wax for life.

According to ISO 21702, GT Deck Pro has anti-viral activity against human coronaviruses – with a 99.7% rate of effectiveness after two hours. According to ISO 22196, GT Deck Pro has anti-bacterial activity against E. coli, S. aureus and MRSA of 99% after 24 hours.



TECHNICAL FEATURES

	STANDARD	DESCRIPTION
Total thickness	EN ISO 24346	2mm
Weight	EN ISO 23997	3100g/m ²
Width/length of sheet	EN ISO 24341	200/20cm/lm
Tile sizes	EN ISO 24342	-
Number of tiles per package	-	-

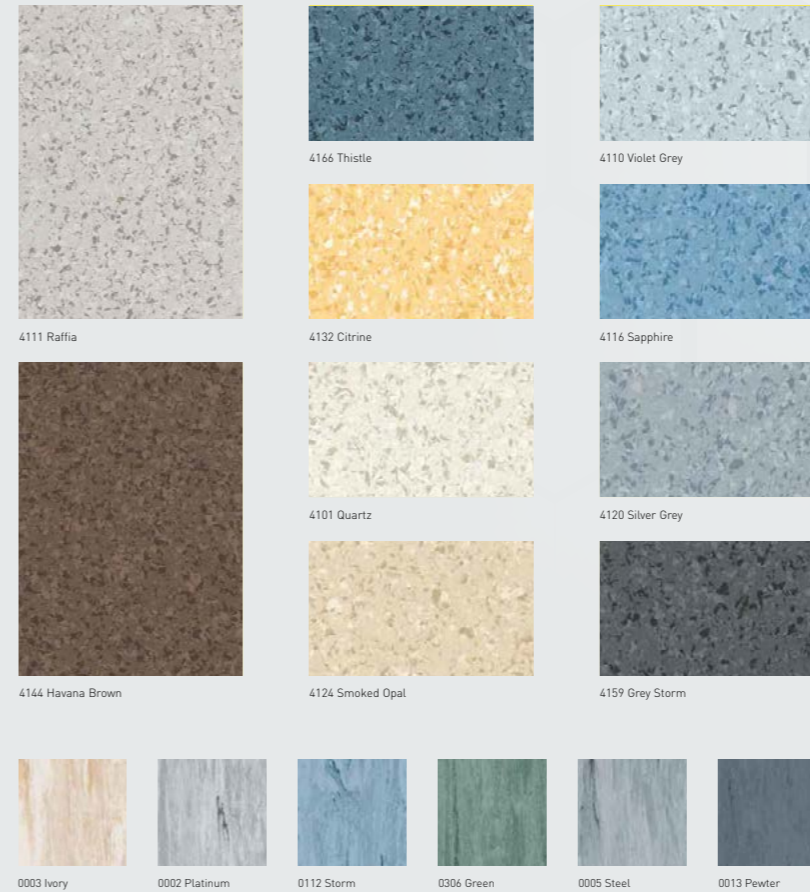
	STANDARD	PERFORMANCES
Type Binder content	EN ISO 10581	Type II
Dimensional stability	EN ISO 23999	≤ 0.40%
Residual indentation (norm)	EN ISO 24343-1	< 0.10mm
Residual indentation (average measured value)	-	≈ 0.02mm

	STANDARD	PERFORMANCES
Impact sound insulation	EN ISO 717-2	5dB
Thermal conductivity	EN ISO 10456	0.25W/(m.K)
Colour fastness	EN 20 105 - B02	≥ 6 degree
Surface treatment	-	Evercare
Chemical resistance	EN ISO 26987	OK
Anti-bacterial activity (E. coli - S. aureus - MRSA)	ISO 22196	> 99 % inhibits growth

	STANDARD	CLASSIFICATION
Fire rating	EN 13 501-1	Bfl-s1 Class
Static electrical propensity	EN 1815	≤ 2kV
Electrical resistance	EN 1081	106 ≤ Rt ≤ 108
Slip resistance	DIN 51130/BGR 181	R9 Class
Norm/product specification	EN ISO 10581	-



SWATCH OPTIONS



PRODUCT FEATURES

NON-DIRECTIONAL DESIGN

A large choice of vibrant & natural tones to combine with a wide array of greys & beiges, all with a matt effect finish

HEAVY TRAFFIC RESISTANCE

2mm wear layer (pressed & calendered) making it easy to install & suitable for very high traffic areas

100% RECYCLABLE

As well as being made from 25% recycled content, it is 100% recyclable and available with phthalate-free plasticizer

INDOOR AIR QUALITY

VOC emissions after 28 days are below detection levels < 10 µg/m³

20M LENGTH ROLLS

2,800g weight 20m length rolls or 608 x 608mm tiles also available on demand

BENEFITS

- Permanent anti-static ESD solution as standard
- Suitable for heavy traffic areas
- Stain resistant
- 100% recyclable product

COMPROMISES

- More expensive price point than GT Deck Plus and Lite
- Not suitable for cleanroom environments below ISO5
- Inferior anti-microbial properties to GT Deck Max

APPLICATIONS



GT Deck Pro cleanroom flooring suits a wide variety of applications in a diverse range of sectors. Whilst it may not boast the airflow and accessibility appeal of GT Deck Max, this option offers the best all-round performance for any application seeking a durable, high-performance epoxy resin solution.



GT DECK PLUS



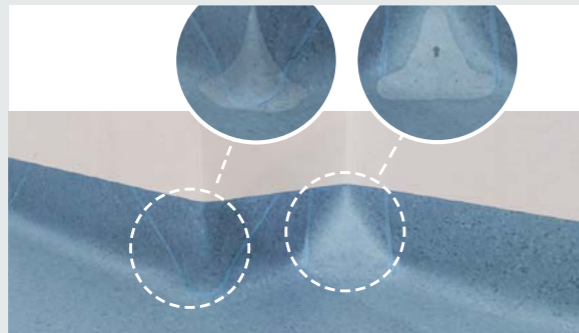
A homogeneous covered vinyl flooring solution that offers superior performance for controlled environments, is scratch resistant and maintains its colour brightness for relatively long periods of time.

GT Deck Plus is a homogeneous covered vinyl flooring solution with an outstanding reputation for its performance in controlled environments.

This high-performing, compacted floor covering has recently been updated to offer a wider range of contemporary colours and designs in 50 styles.

Treated with Evercare, an exclusive

surface treatment, the vinyls are scruff resistant with no need for waxing or polishing. They maintain their appearance and colour brightness for years.



The combination of Evercare and anti-bacterial and fungicidal treatments also ensures that potential contaminants can be safely and hygienically removed with a minimum amount of water and cleaning agent. This reduces maintenance costs and, ultimately, lowers the environmental impact.

TECHNICAL FEATURES

	STANDARD	DESCRIPTION
Total thickness	EN ISO 24346	2mm
Weight	EN ISO 23997	2800g/m ²
Width/length of sheet	EN ISO 24341	200/20cm/lm
Tile sizes	EN ISO 24342	608 x 608m
Number of tiles per package	-	20

	STANDARD	PERFORMANCES
Type Binder content	EN ISO 10581	Type I
Dimensional stability	EN ISO 23999	Sheet ≤ 0.40% Tile ≤ 0.25%
Residual indentation (norm)	EN ISO 24343-1	< 0.10mm
Residual indentation (average measured value)	-	≈ 0.02mm

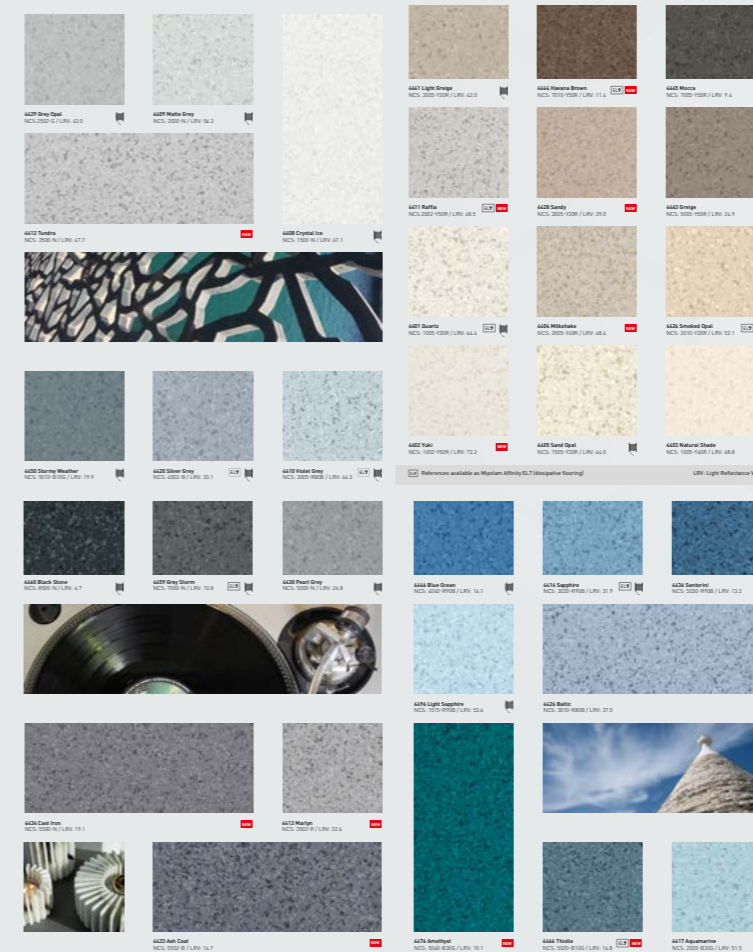
	STANDARD	PERFORMANCES
Impact sound insulation	EN ISO 717-2	5dB
Thermal conductivity	EN ISO 10456	0.25W/(m.K)
Colour fastness	EN 20 105 - B02	≥ 6 degree
Surface treatment	-	Evercare
Chemical resistance	EN ISO 26987	OK
Anti-bacterial activity (E. coli - S. aureus - MRSA)	ISO 22196	> 99 % inhibits growth

	STANDARD	CLASSIFICATION
Fire rating	EN 13 501-1	Bfl-s1 Class
Static electrical propensity	EN 1815	≤ 2kV
Electrical resistance	EN 1081	-
Slip resistance	DIN 51130/BGR 181	R9 Class
Norm/product specification	EN ISO 10581	-



SWATCH OPTIONS

Swatch set also available for GT Deck Pro product range



PRODUCT FEATURES

NON-DIRECTIONAL DESIGN

A large choice of vibrant & natural tones to combine with a wide array of greys & beiges, all with a matt effect finish

HEAVY TRAFFIC RESISTANCE

2mm wear layer (pressed & calendered) making it easy to install & suitable for very high traffic areas

100% RECYCLABLE

As well as being made from 25% recycled content, it is 100% recyclable and available with phthalate-free plasticizer

INDOOR AIR QUALITY

VOC emissions after 28 days are below detection levels < 10 µg/m³

20M LENGTH ROLLS

2,800g weight 20m length rolls or 608 x 608mm tiles also available on demand

BENEFITS

- Covered for a high-quality finish that is also ideal for deep cleaning practices
- Scratch resistant
- Suitable for heavy traffic areas
- Maintains brightness for years
- 100% recyclable product

COMPROMISES

- More expensive price point than GT Deck Lite
- Doesn't offer ESD protection
- Not suitable for cleanroom environments below ISO5
- Inferior anti-microbial properties to GT Deck Max

APPLICATIONS



GT Deck Plus is a versatile cleanroom flooring solution suitable for a significant number of different industries using controlled environments as part of their process. GT Deck Plus is most appropriate for applications with a requirement to eliminate the possibility of Electro Static Discharge (ESD).



GT DECK LITE

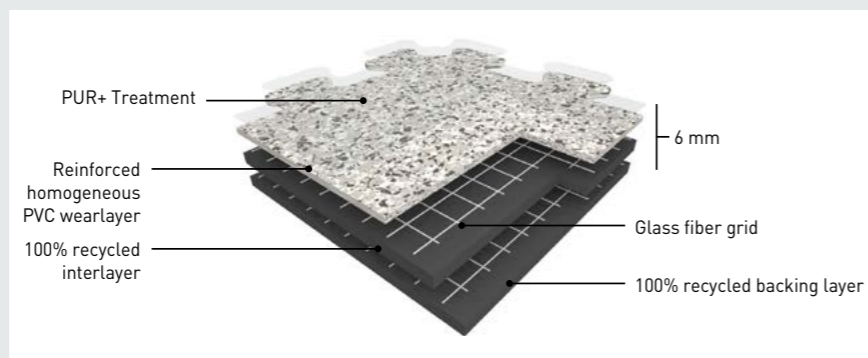
GT Deck Lite is the Guardtech Group's entry-level cleanroom flooring solution – a multi-layered polyurethane-treated interlocking looselay vinyl tile that is intelligently engineered to withstand heavy traffic.



GT Deck Lite is a multi-layered interlocking looselay vinyl tile with polyurethane treatment (PUR+), 6 mm thick with a dovetail joint, abrasion group T.

It is manufactured by Gerflor using a continuous and exclusive high-pressure process. GT Deck Lite wear layer is reinforced by specific oblong fillers that offer an outstanding resistance to traffic.

The solution is reinforced with two glass fibre grids on either side of an intermediate pressed homogeneous layer. Its backing is a 4mm thick black pressed homogeneous sheet, while the surface is a colored and reinforced homogeneous sheet 2mm thick. It is made of 100% controlled recycled materials, is 100% recyclable and made with up to 80% recycled content.



TECHNICAL FEATURES

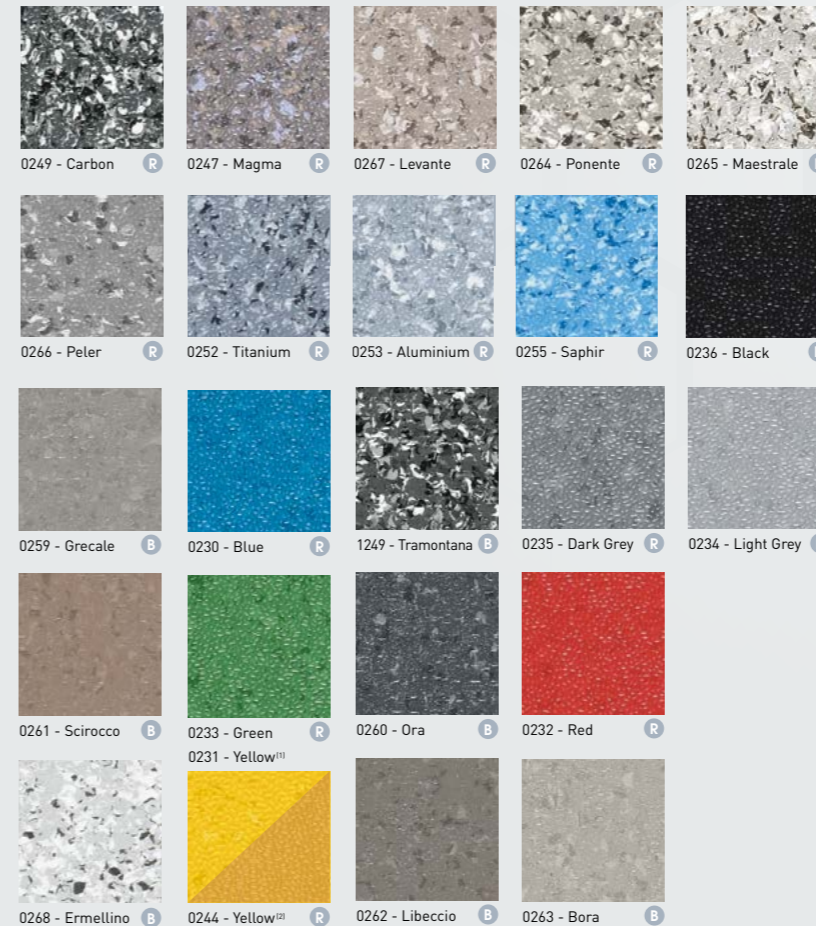
	STANDARD	DESCRIPTION
Total thickness	EN ISO 24346	6mm
Wearlayer thickness	EN ISO 24340	2mm
Weight	EN ISO 23997	9365g/sq.m
Size CONNECT Size CLEANTECH: (without dovetail)	EN ISO 24342	635 x 635mm 600 x 600mm

	STANDARD	PERFORMANCES
Wear resistance	EN 660.2	
Wear group	-	T
Type Binder content	ISO 10582	I type
Dimensional stability	EN ISO 23999	≤ 0.15%

	STANDARD	PERFORMANCES
Residual indentation	EN ISO 24343-1	≤ 0.10mm
Castor chair test (type W)	ISO 4918	OK
Shore Hardness	EN ISO 868	≥ 55HD
Shifting resistance	CSTB 3562	≥ 30N/mm2
Thermal conductivity	EN ISO 10456	0.25W/(m.K)
Colour fastness	EN 20 105 - B02	≥ 6 degree
Surface treatment	-	PUR+
Chemical products resistance	EN ISO 26987	OK

	STANDARD	CLASSIFICATION
Fire rating	EN 13 501-1	Bfl-s1 Class
Static electrical propensity	EN 1815	≤ 2kV
Slip resistance wet	DIN 51 130	R10 Class
Pendulum test	BS 7976	HSE 36 compliant

SWATCH OPTIONS



PRODUCT FEATURES

SLIP RESISTANT
R10 rated solution with 2mm wear layer

HSE 36 COMPLIANT
Static load: up to 50 kg/cm²

HEAVY TRAFFIC RESISTANCE
Dynamic Load: up to 6000kg

HARD-WEARING
Tiles triple pressed at over 3000 Tonnes

CAN BE INSTALLED ON AN SURFACE
Up to 7% humidity / 92% RH

USER COMFORT & SAFETY
19 dB less noise than tiling when users walk on it. Underfoot comfort: reduces fatigue

ECO-FRIENDLY
100% recyclable product

ESD OPTION
Also available

BENEFITS

- Most cost-effective option in the range
- Shortest lead times
- Hard-wearing solution
- 100% recyclable product
- ESD option also available

COMPROMISES

- Not suitable for cGMP cleanroom environments
- Inferior product in terms of anti-microbial properties when compared to the rest of the range
- Not as easily cleanable as the other GT Deck options

APPLICATIONS



GT Deck Lite suits the least demanding of applications – most commonly laboratories or non-classified controlled environments.



QUICK-LOOK COMPARISON GUIDE

FEATURES



FEATURES	MAX	PRO	PLUS	LITE
ISO3/Grade A compatible	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Coving option	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Suitable for cGMP environments	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Anti-ESD (Electro Static Discharge) option	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Variety of colour swatch options	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Slip resistant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
UV cured	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Superior abrasion resistance	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Long-lasting solution	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Homogeneous system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Superior anti-microbial performance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





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group

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