



GT DECK



TECHNICAL DATA SHEETS



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DIRECTORY



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 **Guardtech**
group

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 designed for cleanroom applications adhering to the most stringent standards.



DECK PRO

GT Deck Pro is a superior anti-static ESD dissipative flexible vinyl floor covering 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 looselay 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.



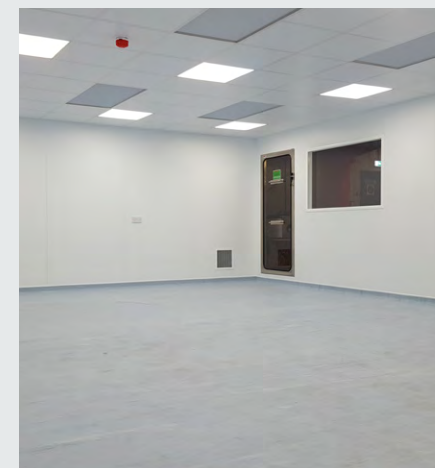
DECK RAISE

GT Deck Raise is Guardtech's elite-level raised flooring solution – Raised Access Flooring ideal for the most demanding controlled environments, including Semiconductor and Pharmaceutical applications.



DECK RESIN

Ultra smooth, liquid-rich, chemical and impact-resistant self-levelling epoxy resin flooring solution, GT Deck Resin is a strong choice for environments that need static control and favourable low-friction properties.





GT DECK MAX

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



GT Deck Max is a high-performance homogeneous vinyl flooring system designed for controlled environments where contamination control and durability are essential.

Engineered to meet stringent cleanroom standards, it achieves ISO Class 3 particle emission performance, ensuring minimal environmental impact.

The surface provides >99% antibacterial performance and up to 99.9% antiviral activity within five hours, helping maintain hygienic conditions. It also offers excellent resistance to chemicals and

hydrogen peroxide decontamination, making it suitable for demanding cleaning protocols. With a durable 2mm construction and high load resistance, GT Deck Max supports heavy equipment and high traffic areas. Anti-static properties (<2kV) further enhance suitability for sensitive environments.

Sustainability is a key benefit, featuring recycled content, full recyclability, and very low VOC emissions for improved indoor air quality. GT Deck Max delivers a reliable, compliant flooring solution for critical cleanroom applications.

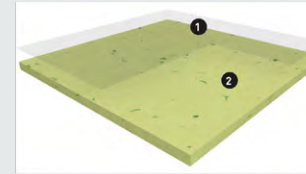


TECHNICAL FEATURES

	STANDARD	UNIT	PERFORMANCE
Total thickness	EN ISO 24346	mm	2 (0.08")
Roll length / width	EN ISO 24341	cm / ml (in)	200 x 20 (6'6" x 66")
European classification	EN ISO 10874	classification	34 - 43
Binder Content	EN ISO 10581	Type	I
Reference specification	ASTM F1913 EN 14041	-	Meets requirements
Fire behaviour	EN 13501-1	class	Bfl-s1
Fire rating	ASTM E648	class	Class 1
Non-slip properties	EN 16165 annex B (DIN 51130)	class	R9
Body Voltage Generation (BVG)	ASTM F191	-	Meets

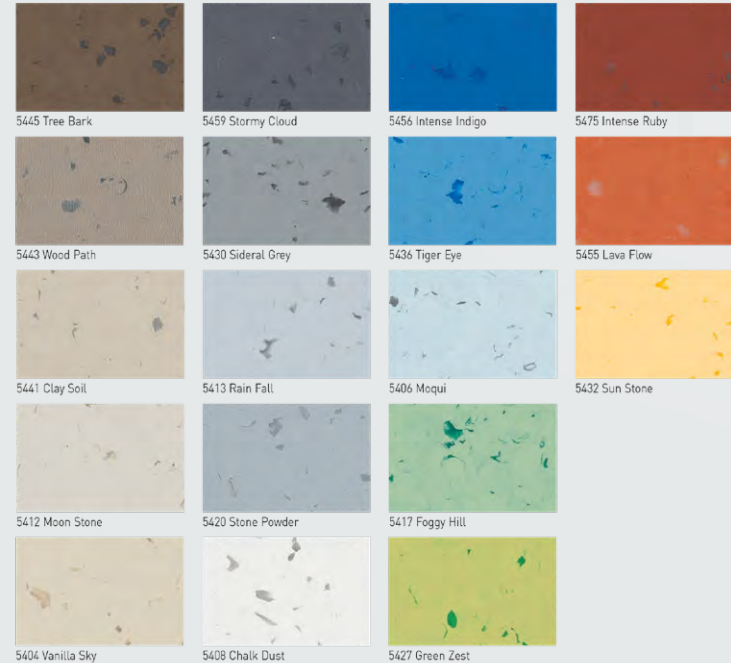
	STANDARD	UNIT	PERFORMANCE
Particulate emission	ISO 14644-1	-	ISO 3 Class 1
Air cleanliness class	ISO 14644-8	(g/m ² *s)	TVOC = unmeasurable (at 23°C) ACCm/AMCm ≤ - 8,2
Nuclear decontamination	ISO 8690	-	Excellent
Chemical resistance	ISO 14644-4	-	Excellent
Resistance to gaseous H2O2	ISO 14644-4	-	Excellent (No alteration)
Maximum static load	ASTM F970	-	- .002" under 250 psi and up to 2000 psi
Antiviral activity	ISO 21702	-	99.7% after 2h 99.9% after 5h
Antibacterial activity	EN 16165 annexe B (DIN 51130)	-	99% (inhibits growth)

SWATCH OPTIONS



1 Gerflor patented surface treatment

2 2 mm calendared PVC single layer



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



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

COVING & FINISH DETAILING



Same high-quality finish for GT Deck Max & Pro

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 floor covering 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 $10^6 < R_t < 10^8$ (EN 1081).

This floor covering 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	-	-

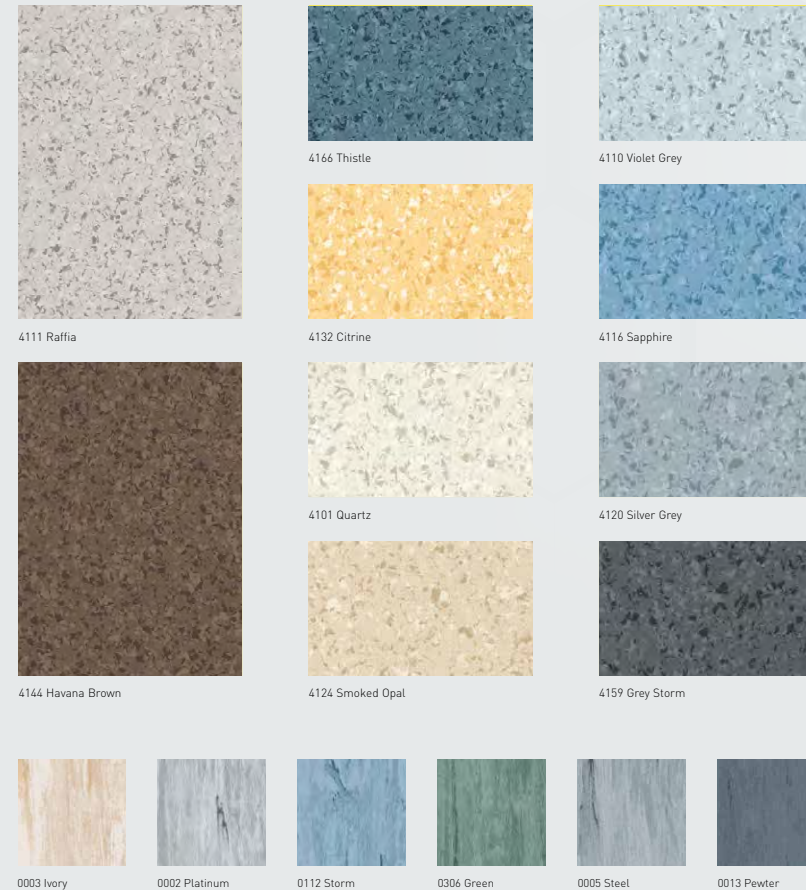
	STANDARD	PERFORMANCES
Type Binder content	EN ISO 10581	Type II
Dimensional stability	EN ISO 23999	$\leq 0.40\%$
Residual indentation (norm)	EN ISO 24343-1	$< 0.10\text{mm}$
Residual indentation (average measured value)	-	$\approx 0.02\text{mm}$

	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	$\leq 2\text{kV}$
Electrical resistance	EN 1081	$10^6 \leq R_t \leq 10^8$
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 $< 10 \mu\text{g}/\text{m}^3$

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



Medical Device



Healthcare



Oil & Gas



Cell & Gene



Battery



Laser & Optical

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.

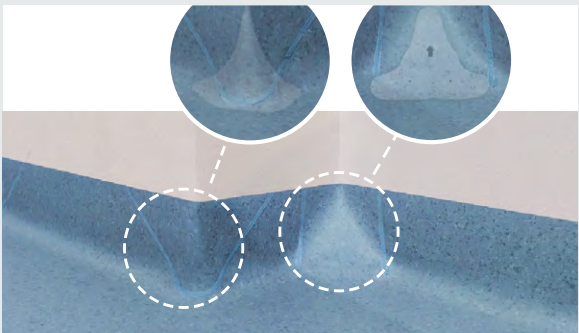


GT Deck Plus is a homogeneous covered vinyl flooring solution with an outstanding reputation for its performance in controlled environments.

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

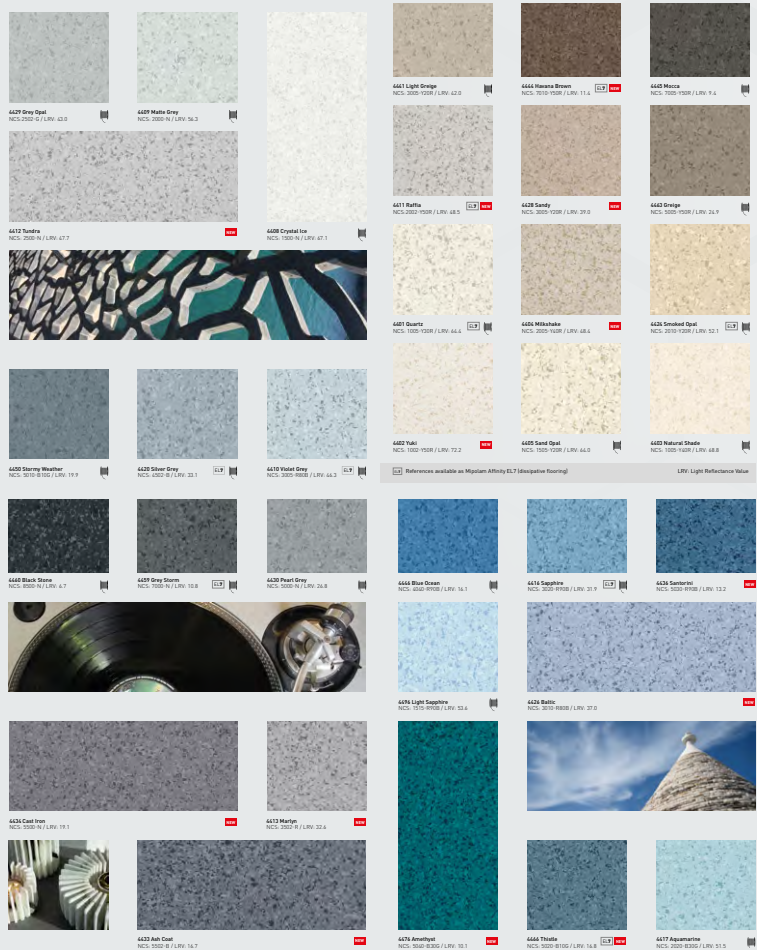
	STANDARD	PERFORMANCES
Impact sound insulation	EN ISO 717-2	5dB
Thermal conductivity	EN ISO 10456	0.25W/(m.K)
Colour fastness	EN 20 105 - B02	≥ 6 degree
Surface treatment	-	Evercare
Chemical resistance	EN ISO 26987	OK
Anti-bacterial activity (E. coli - S. aureus - MRSA)	ISO 22196	> 99 % inhibits growth

	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



BENEFITS

- Coved 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



Cosmetics



Automotive



Horticulture



Digital Printing



Aerospace



Manufacturing

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).

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



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 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 coloured 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

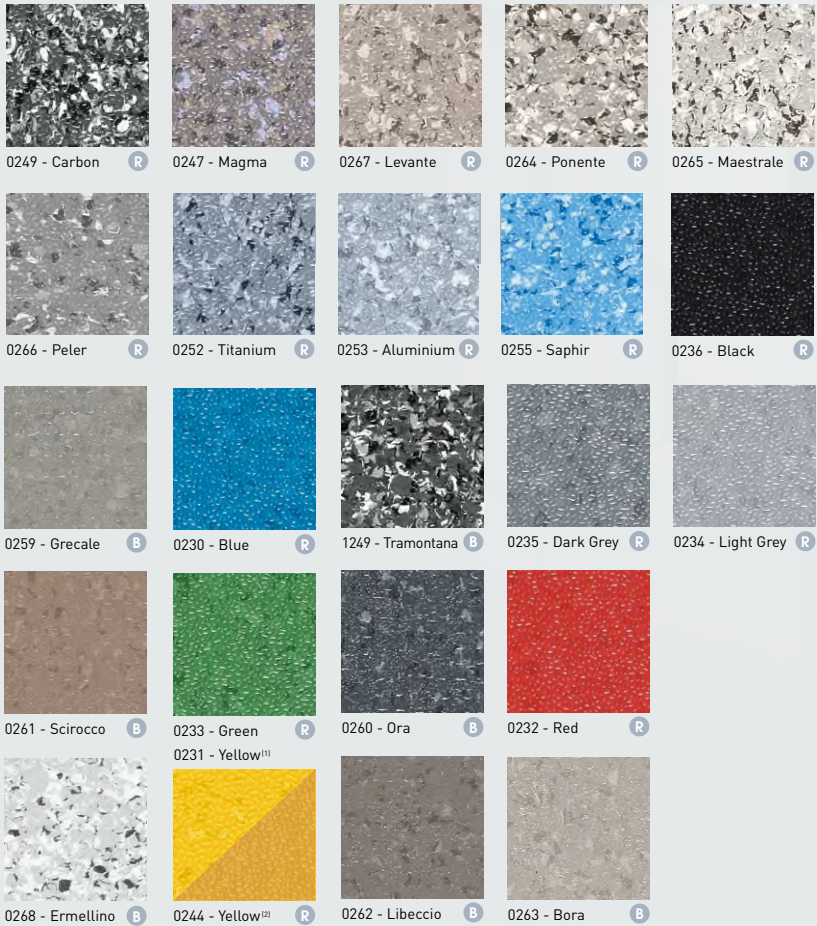
	STANDARD	DESCRIPTION
Total thickness	EN ISO 24346	6mm
Wearlayer thickness	EN ISO 24340	2mm
Weight	EN ISO 23997	9365g/sq.m
Size CONNECT Size CLEANTECH: (without dovetail)	EN ISO 24342	635 x 635mm 600 x 600mm

	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

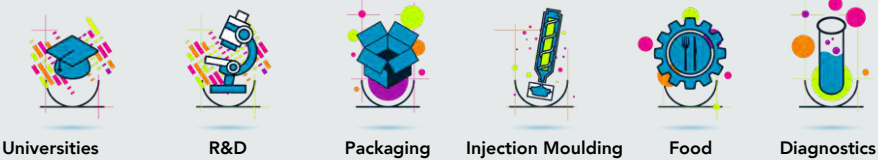
BENEFITS

- 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.



GT DECK RAISE

GT Deck Raise is Guardtech's elite-level flooring solution – Raised Access Flooring ideal for the most demanding controlled environments, including Semiconductor and Pharmaceutical applications.

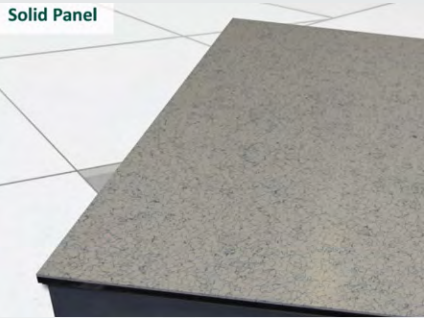


GT Deck Raise is a Raised Access Flooring solution ideal for the most demanding controlled environments, including Semiconductor and Pharmaceutical applications.

Each flooring panel is die-cast, milled and finished to a high specification that exceeds all the requirements of controlled environments.

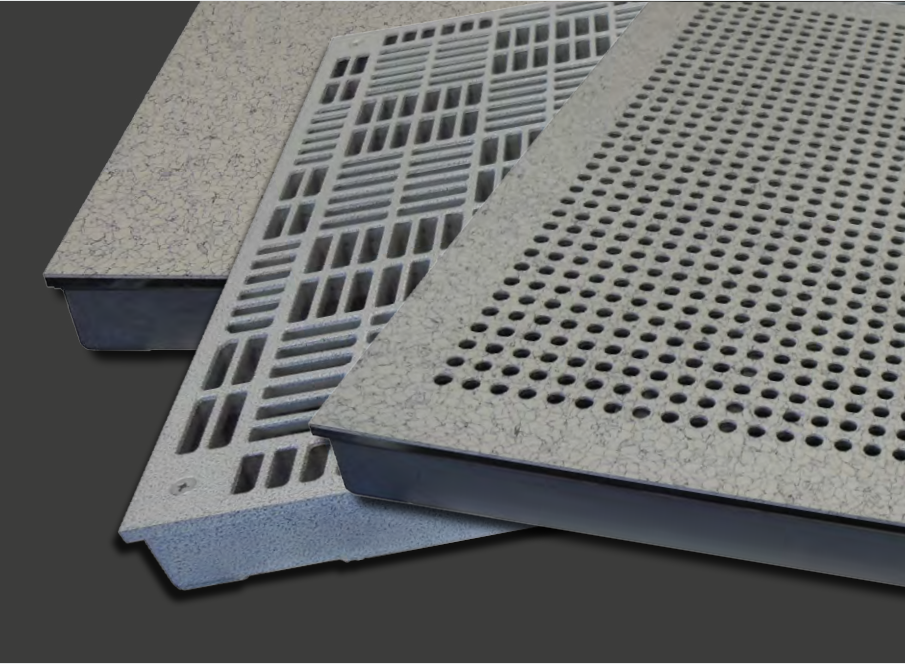
For optimum room configuration and flexibility, the range of panels and gratings are completely interchangeable and includes:

- Solid Panels
- Perforated Panels
- Grating Panels
- Special Purpose Panels



SOLID PANEL

Solid Panels are designed for use in areas where extremely heavy loads are to be placed. The unique rib structure provides optimum weight dispersion to achieve minimum deflection and maximum load-bearing capacities for placement of manufacturing equipment and tool moves-ins.

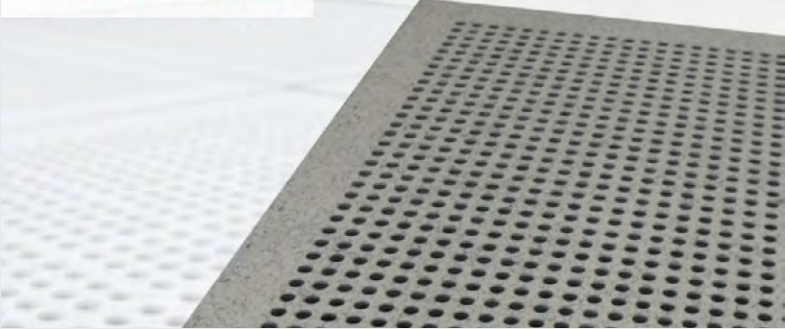


TYPE	DIMENSION (MM)	CONCENTRATED LOAD 1" INDENTOR @ 1/2 EDGE	FINISH TYPE
STANDARD	600 x 600 x 39(T)	550 kgf / 2.0 mm deflection	1. PVC Tile
	600 x 600 x 39(T)	650 kgf / 2.0 mm deflection	- Conductive Tile
	600 x 600 x 44(T)	850 kgf / 2.0 mm deflection	- Static Dissipative Tile
	600 x 600 x 48(T)	1,000 kgf / 2.0 mm deflection	2. E-Coating
HEAVY DUTY	600 x 600 x 39(T)	750 kgf / 2.0 mm deflection	- Black, Silver colours
	600 x 600 x 48(T)	1,300 kgf / 2.0 mm deflection	3. Epoxy powder
	600 x 600 x 48(T)	1,500 kgf / 2.0 mm deflection	- Conductive powders (Gray, Black colours)
	24" x 24"x 1.89"(T)	2,000 lbs / 2.0 mm deflection	- Non-conductive colours (Ivory, Silver colours)
	24" x 24"x 1.89"(T)	3,000 lbs / 2.0 mm deflection	4. Ni-Cr plating

- Advantages**
- High load-bearing capacity with low deflection
 - Interchangeable with perforated and grating panels
 - Wide variety of finishing materials • Class A building material (non-combustible) • Long life cycle for economical usage

PERFORATED PANEL

Perforated Panel



Perforated Panels are designed to provide a smooth air flow from the ceiling to the floor with 1,296 or 1,024 chamfered holes. The holes provide nominal 18-38% open area in a non-directional pattern for airflow requirements.

Perforated Panels can effectively reduce air turbulence by chamfering the sharp and uneven drilled holes on the surface of panels.

TYPE	DIMENSION (MM)	CONCENTRATED LOAD 1" INDENTOR @ 1/2 EDGE	FINISH TYPE	OPEN RATIO
STANDARD	600 x 600 x 39(T)	500 kgf / 2.0 mm deflection	1. PVC Tile	18~22% (1,296)
	600 x 600 x 39(T)	600 kgf / 2.0 mm deflection	- Conductive Tile	18~22% (1,296)
	600 x 600 x 44(T)	850 kgf / 2.0 mm deflection	- Static Dissipative Tile	18~22% (1,024)
	600 x 600 x 48(T)	1,000 kgf / 2.0 mm deflection	2. E-Coating	18~22% (1,296)
HEAVY DUTY	600 x 600 x 39(T)	750 kgf / 2.0 mm deflection	- Black, Silver colours	18~22% (1,024)
	600 x 600 x 48(T)	1,300 kgf / 2.0 mm deflection	3. Epoxy powder	18~22% (1,296)
	600 x 600 x 48(T)	1,500 kgf / 2.0 mm deflection	- Conductive powders (Gray, Black colours)	18~22% (1,296)
	24" x 24"x 1.89"(T)	2,000 lbs / 2.0 mm deflection	- Non-conductive colours (Ivory, Silver colours)	18~22% (1,024)
	24" x 24"x 1.89"(T)	3,000 lbs / 2.0 mm deflection	4. Ni-Cr plating	18~22% (1,024)

- Advantages**
- High load-bearing capacity with low deflection
 - Interchangeable with perforated and grating panels
 - Wide variety of finishing materials
 - Class A building material (non-combustible)
 - Long life cycle for economical usage

BENEFITS

- Promotes unidirectional airflow and aids uniformity
- Provides an accesible service void for utilities
- Hard-wearing construction, high load-bearing capacity
- Wide variety of finishing materials
- Long life cycle

COMPROMISES

- Reduces internal ceiling height
- Cannot be coved
- Non-waterproof
- Higher price point

APPLICATIONS





Pharmaceuticals



Semiconductor



Graphene



Cell & Gene



Battery

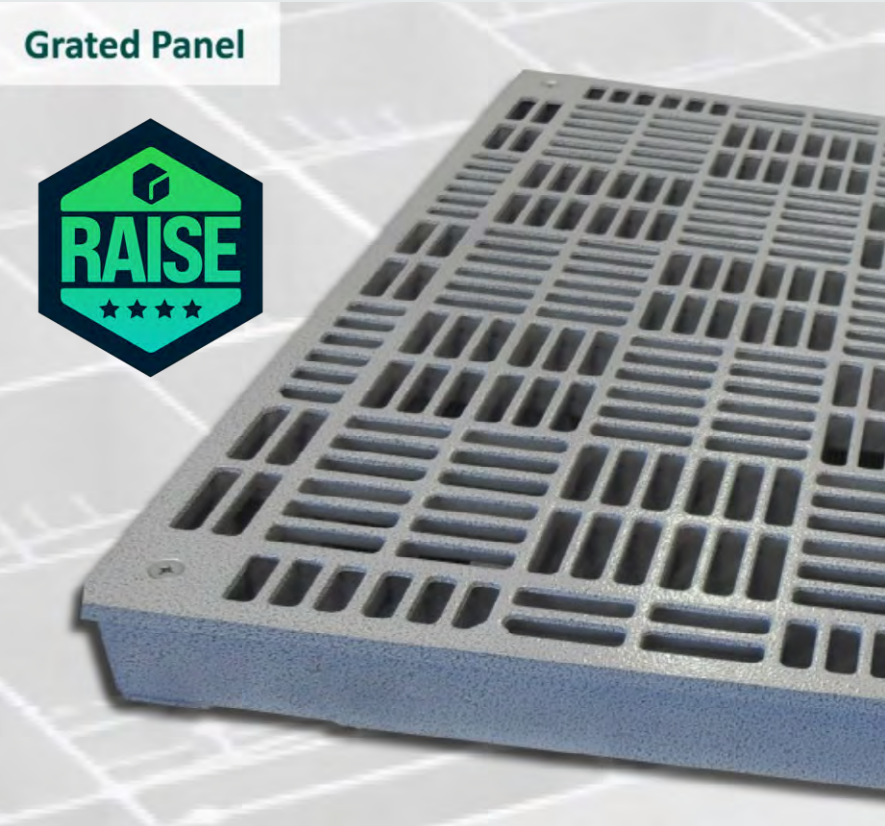


Laser & Optical

GT Deck Raise 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.



GRATING PANEL



GT Deck Raise Grating Panels are designed for the areas where maximum airflow is required, and have grid pattern generates a minimum vibration from rolling loads and foot traffic.

- Advantages**
- Maximum air flow from 41% to 51%
 - Interchangeable with solid and perforated panels
 - High-load bearing capacity with low deflection
 - Wide variety of finishing materials
 - Class A1 building material (non-combustible)

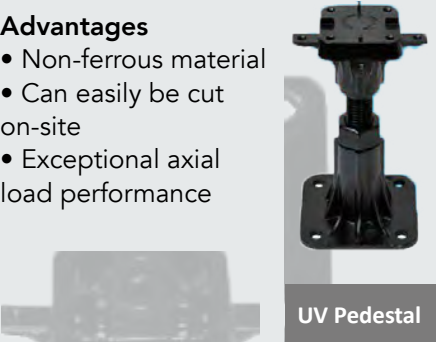
TYPE	DIMENSION (MM)	CONCENTRATED LOAD 1" INDENTOR @ 1/2 EDGE	FINISH TYPE	OPEN RATIO
STANDARD	600 x 600 x 41(T)	500 kgf / 2.0 mm deflection	1. E-Coating - Black, Silver colours	26%, 45%
	600 x 600 x 44(T)	600 kgf / 2.0 mm deflection	2. Epoxy powder - Conductive powders (Gray, Black colours) (Ivory, Silver colours)	51%
	24" x 24"x 1.89"(T)	2,000 lbs / 2.0 mm deflection		54%
HEAVY DUTY	600 x 600 x 50(T)	1,000 kgf / 2.0 mm deflection	3. Ni-Cr plating	51%
	600 x 600 x 48(T)	1,000 kgf / 2.0 mm deflection		51%



PEDESTALS

Pedestals are designed and made of either aluminum or steel as well as divided into three product groups (Standard Duty, Heavy Duty and Ultra Heavy Duty) depending on the requirements of the project.

- Advantages**
- Non-ferrous material
 - Can easily be cut on-site
 - Exceptional axial load performance



UV Pedestal



Aluminium Pedestals



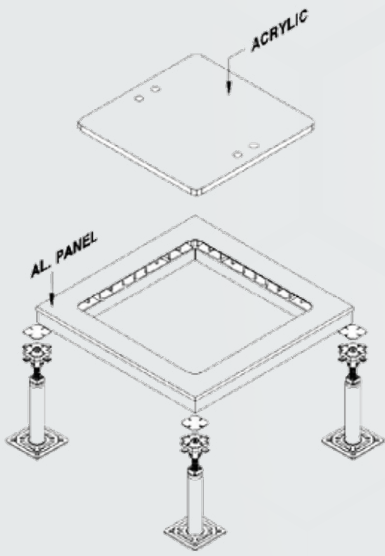
Aluminium Post



Steel Pedestals

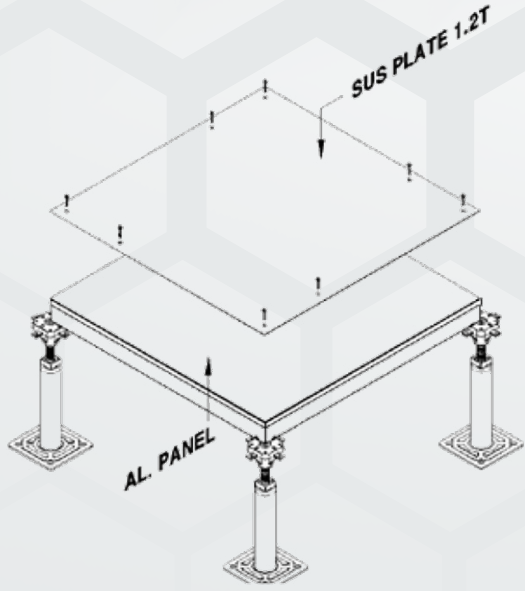
Acrylic Insert Panels

The acrylic inserts are used as Vision or Access panels, which are produced to the customer's specified size to allow you to see beneath the panel from above, or to allow easy access.



Stainless Steel Panels

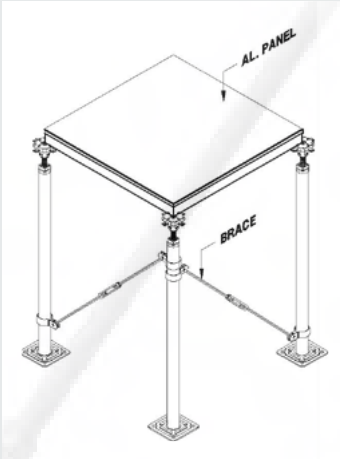
The 1.2mm (T) Stainless Steel (SUS) finished panels are effectively used for the path of movement of automated guided vehicle (AGV), is to prevent scratches on the surface of panel caused by regular movement of equipment.



STRINGERS



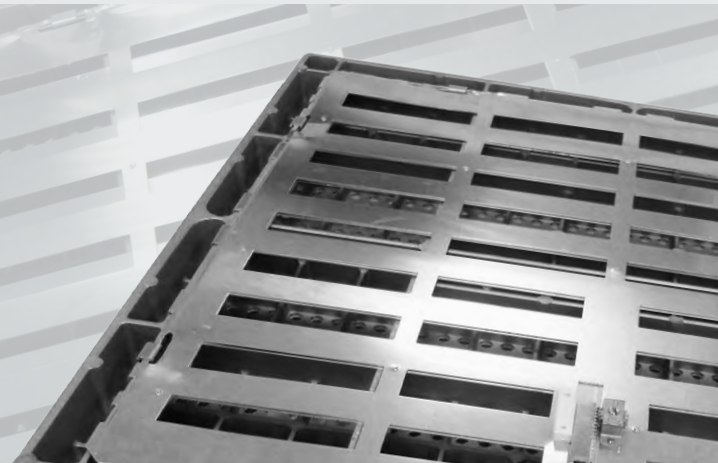
Stringers are extruded aluminum profiles designed to fit between and span the pedestal heads to provide lateral support to the system. The stringers do not in any way determine the spacing requirements between the pedestals as the holes are elongated (Slotted) to allow them to conform to the size of the panels.



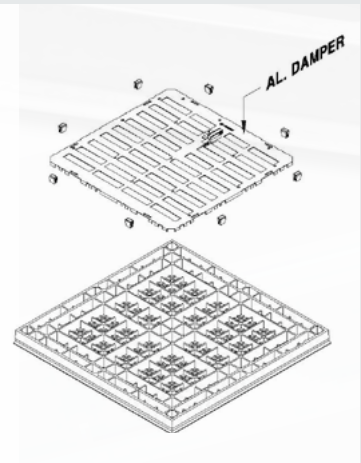
BRACING

Bracing, which is made of either aluminum or steel materials, is clamped at pedestal, to pedestal, or pedestal to concrete foundation, to prevent lateral movement or any potential dislocation of structure system caused by possible a little tiny bit of vibration at the upper/lower side of the structure system.

ALUMINUM DAMPERS



Aluminum Dampers are available for perforated and grating panels to adjust the air-flow through the floor to balance a room around tools and work stations. They are adjustable from 0-100% open in incremental settings.





GT DECK RESIN



Ultra smooth, liquid-rich, chemical and impact-resistant self-levelling epoxy resin flooring solution, GT Deck Resin is a strong choice for environments that need static control and favourable low-friction properties.

GT Deck Resin is a liquid-rich, free-flowing epoxy resin flooring system.

The system consists of a resin, curing agent and graded coarse aggregates. It is available in 2 mm and 3 mm thicknesses.

GT Deck Resin cures to a hard, aesthetically pleasing surface that exhibits excellent impact and chemical-resistance.

Ultra-smooth, liquid-rich, chemical and impact-resistant self-leveling floors, GT Deck Resin is a strong choice for environments that need static control and low-friction flooring and is specifically designed for those applications where flooring with a smooth, seamless, dense, stain-resistant finish with good stain-resistance is required.



TECHNICAL FEATURES

PRODUCT INFORMATION

MOISTURE BARRIER

To ensure long-term adhesion to concrete slabs in the absence of a proper vapor barrier, the use of Guardtech's recommended grouting system is required with strict adherence to application instructions.

COVE BASE

To provide for an integral seal at the joint between the floor and the wall, Cove Bases in heights from 2 to 6 in./5 to 15cm may be specified.

SUBSTRATE

With the appropriate primer, GT Deck Resin is suitable for application over concrete, wood, brick, quarry tile & metal.

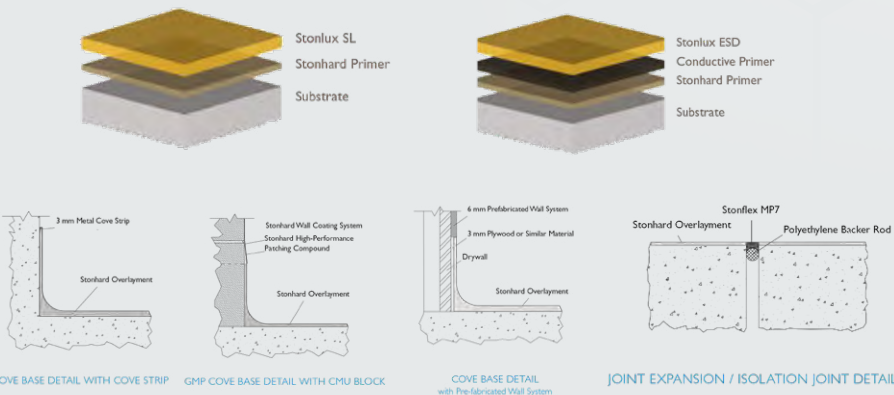
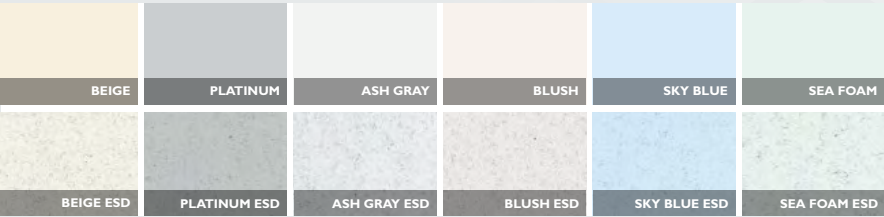
Tensile Strength	1,900 psi
Flexural Strength	3,860 psi
Flexural Modulus of Elasticity	5.2 x 10 ⁵ psi
Hardness	80 to 85
Indentation	Pass
Abrasion Resistance	0.1 gm max. weight loss
Coefficient of Friction	0.81 (dry)
Flammability	Self-extinguishing Extent of burning 0.25 in. max.
Thermal Coefficient of Linear Expansion	5.3 x 10 ⁻⁵ in./in. °C
Water Absorption	0.2%
Heat Resistance Limitation	140°F/60°C (continuous exposure) 200°F/93°C (intermittent exposure)
VOC Content	20 g/l
Cure Rate	36 hours (@ 77°F/25°C) for foot traffic & light operations 48 to 72 hours for normal operations



SWATCH OPTIONS

Long-lasting, super-clean, lustrous floor protection. An ultra-smooth, chemical and impact-resistant formulation for areas requiring static control and a low friction surface.

GT Deck Resin is a leading choice for cleanroom environments and offers a sleek and clean look.



BENEFITS

- Various floor-to-wall coving options
- Continuous substrate with no welded joints
- Hard-wearing – will withstand pallet truck usage
- Impervious to water penetration
- GT Resin ESD – static dissipative solution
- Non-slip

COMPROMISES

- More expensive than vinyl cleanroom flooring
- Not as acoustically absorbent as vinyl
- Preparation is more extensive

APPLICATIONS



GT Deck Resin 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 Raise, this option offers the best all-round performance for any application seeking a durable, high-performance epoxy resin solution.



QUICK-LOOK COMPARISON GUIDE

FEATURES

						
ISO3 compatible						
Coving option						
Suitable for cGMP environments						
ESD option						
Variety of colour options						
Slip resistant						
UV cured						
Superior abrasion resistance						
Long-lasting solution						
Homogeneous system						
Superior anti-microbial performance						





Guardtech



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