



**Mipolam Biocontrol  
Performance & Clean**  
High Performance & Cleanroom flooring

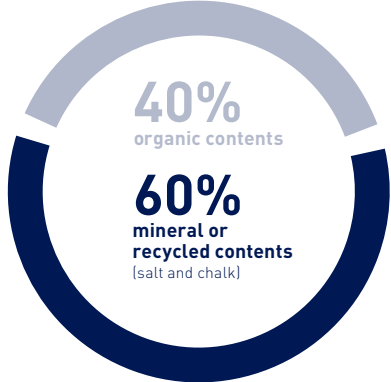
**Gerflor®**

# Products designed for cleanrooms...

Since 1937, the French group Gerflor has been designing, manufacturing and distributing **attractive, innovative and eco-responsible solutions** for flooring and wall protection.

Floors that last: one of the best ways to preserve resources and the planet (**average lifetime: 25 years**).

The circular economy, **from design to the end of product life**, is at the heart of the group's priorities.



**CARBON FOOTPRINT\***

-20% kg CO<sub>2</sub> equivalent/m<sup>2</sup> between 2020 and 2025



**BIOSOURCED CONTENT\*\***

10% by 2025



**RECYCLED CONTENT**

30% by 2025



**ANNUAL VOLUME RECYCLED**

60 000 t by 2025

\* Scopes 1 and 2 defined in the GHG protocol. \*\* % of activity with biosourced materials.

**ISO 9001**  
(QUALITY)

**ISO 14001**  
(ENVIRONMENT)

**ISO 50001**  
(ENERGY)



# ... and a Clean environment

## MIPOLAM BIOCONTROL PERFORMANCE MIPOLAM BIOCONTROL CLEAN



100% REACH  
COMPLIANT



FREE OF  
PHTALATES



25% RECYCLED  
CONTENT



100% RECYCLABLE



RANGE INCLUDED  
IN THE «SECOND LIFE»  
PROGRAM BY GERFLOR

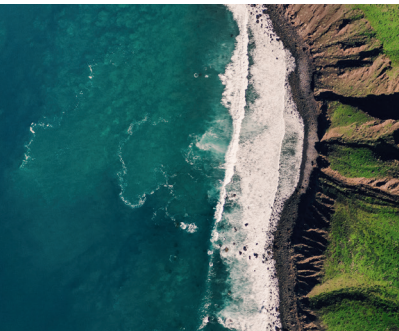


MIPOLAM BIOCONTROL PERFORMANCE



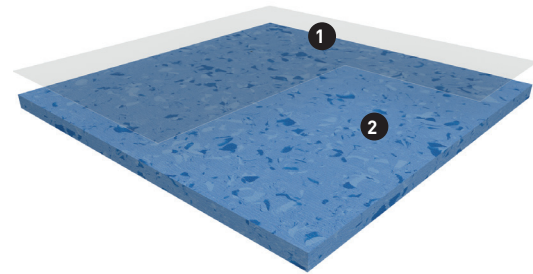
NEW MIPOLAM BIOCONTROL CLEAN

# A high performance solution for Cleanroom



			MIPOLAM BIOCONTROL PERFORMANCE	MIPOLAM BIOCONTROL CLEAN	MIPOLAM BIOCONTROL PERFORMANCE	MIPOLAM BIOCONTROL CLEAN
IMPACT ON THE PRODUCTION ENVIRONMENT	ISO 14644-1	Particular properties	ISO 3	ISO 3	● ● ●	● ● ●
	ISO / 22196 / 21702	Microbiological properties	No bacteria / virus growth	No bacteria / virus growth	● ● ●	
	ISO 14644-8	Molecular properties	No emission*	No emission*	● ● ●	
	ISO 14644-4	Electrostatic properties	Insulating and antistatic	Insulating and antistatic	● ● ●	
RESISTANCE TO COMMON ATTACKS	ISO 846	Action of Bacteria on the floor	Excellent	Excellent	● ● ●	
	ISO 14644-4	Resistance to chemical attacks	Excellent	Excellent	● ● ●	
	ISO 14644-4	Resistance to heavy load	Excellent	Excellent	● ● ●	
CLEANING AND DECONTAMINATION	ISO 8690	Nuclear decontamination	Excellent	Excellent	● ● ●	
	BIOQUELL	Resistance to bio-decontamination processes	Excellent	Excellent	● ● ●	
	VIRHEALTH	Anti-viral activity	99,7% after 2h 99,9% after 5h	99,7% after 2h 99,9% after 5h	● ● ●	
	INTERTEK	Anti bacterial activity	> 99% inhibits growth	> 99% inhibits growth	● ● ●	
ENVIRONMENTAL IMPACT		Recyclable	100%	100%	● ● ●	
		REACH compliant	Yes	Yes	● ● ●	
		Floorscore certified			● ● ●	
		Plasticizer	Bio		● ● ●	● ●

# MIPOLAM BIOCONTROL PERFORMANCE



- 1 Gerflor patented surface treatment
- 2 2 mm calendared PVC single layer



Resistance to heavy load



Compatible with the patented solution Cleancorner



Resistance to traffic

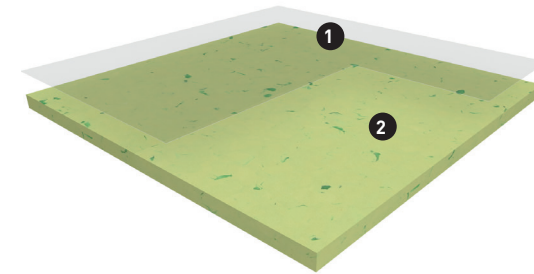


GMP Class A



H2O2

# MIPOLAM BIOCONTROL CLEAN NEW



- 1 Gerflor patented surface treatment
- 2 2 mm calendared PVC single layer



Resistance to heavy load



Compatible with the patented solution Cleancorner



Resistance to traffic



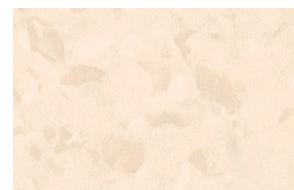
GMP Class A



H2O2



6008 Calico



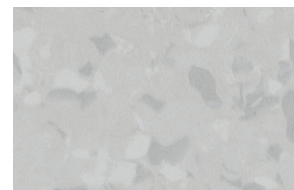
6001 Cotton



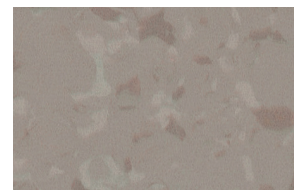
6031 Breeze



6041 Clay



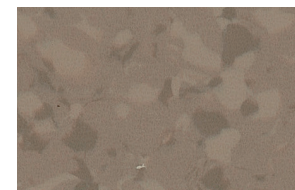
6009 GreyStone



6039 Pebble



6029 Cloud



6043 Wood



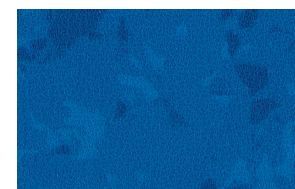
6032 Sunshine



6025 Tangelo



6075 Cardinal



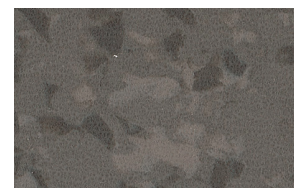
6036 Oceania



6006 Bluesky



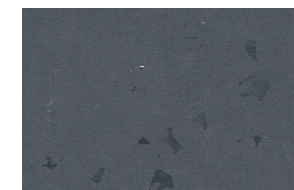
6027 Accacia



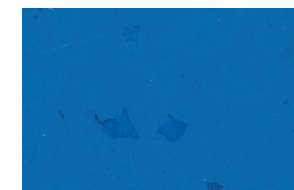
6044 SeaStorm



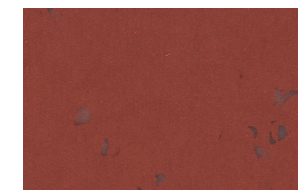
5445 Tree Bark



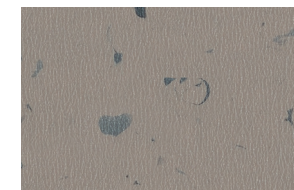
5459 Stormy Cloud



5456 Intense Indigo



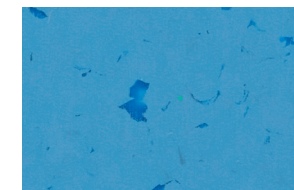
5475 Intense Ruby



5443 Wood Path



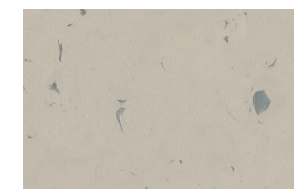
5430 Sideral Grey



5436 Tiger Eye



5455 Lava Flow



5441 Clay Soil



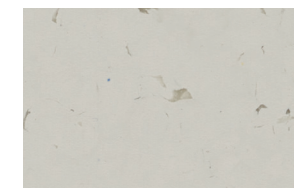
5413 Rain Fall



5406 Moqui



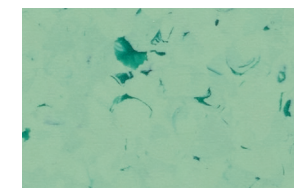
5432 Sun Stone



5412 Moon Stone



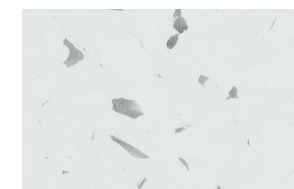
5420 Stone Powder



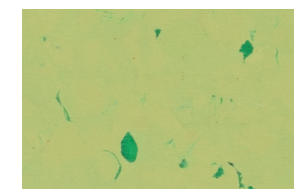
5417 Foggy Hill



5404 Vanilla Sky



5408 Chalk Dust



5427 Green Zest



### PERFORMANCE

Particulate emission	FRAUNHOFER Method	ISO 14644-1	-	ISO 3	
	-	FS 209E	-	Class 1	Class 1
Air purity	ISO 16000-6,-9,-11	ISO 14644-8	[µg/m <sup>3</sup> /h]	TCOV = unmeasurable (at 23°C) ACCm/AMCm ≤ - 8.2	
Anion emission	Méthode FRAUNHOFER	ISO 14644-8	[µg/m <sup>3</sup> /h]	Unmeasurable (at 23°C)	
Ammonium N emission	ISO 11732	ISO 14644-8	[µg/m <sup>3</sup> /h]	Unmeasurable (at 23°C)	
Charge potential	EN 1815	-	kV	Antistatic: < 2	
Electrical resistance	EN 61340-4-1 ESD 7.1	EN 61340-5-1 ESD S 2020	Ω	Insulating: >10 <sup>11</sup> Ω	
Action of Bacteria on the floor	ISO 846	BPF/GMP	classification	Inert and resistant	
Bacteria growth on the floor	ISO 846	ISO 14698-1/BPF	classification	Excellent	
Antiviral activity	VirHealth	ISO 21702	VirHealth	99.7% after 2 h 99.9% after 5 h	
Anti-bacteriological activity	INTERTEK	ISO 22196	INTERTEK	> 99 % reduction	
Chemical resistance	ISO 2812-1	ISO 14644-4/BPF	-	Excellent	
Resistance to gaseous H <sub>2</sub> O <sub>2</sub>	BIOQUELL process	ISO 14644-4/BPF	-	No alteration	
Maximum static load	-	ASTM F970	-	-.002" under 250 psi and up to 2000 psi	
Fire behaviour	-	EN 13501-1	class	Bfl-s1	
Fire rating	-	ASTM E 648	class	Class 1	
Non-slip properties	-	DIN 51 130	class	R9	
Coefficient of friction	-	ASTM D 2047	-	0.56 (ok)	
		ASTM C 1028	-	Meets requirements	

### DESCRIPTION

Total thickness	-	EN ISO 24346 (EN 428)	mm	2 (0.08")
Roll Length / Width	-	EN ISO 24341 (EN 426)	cm/ml	2 x 20 (6'6" x 66')
Tile format*	-	EN ISO 24342 (EN 727)	mm	608 x 608 (23,9" x 23,9")
European classification	-	EN ISO 10874 (EN 685)	classification	34-43
UPEC	-	NF 189	classification	U4P3E2/3C2
Reference specification	-	ASTM F1913	-	Meets requirements
		EN 14041	-	

\* on minimum order of 500 m<sup>2</sup>

### INSTALLATION

Substrate preparation and installation should be carried out in accordance with NFP 62 203-1 (DTU 53-2). For installation details, refer to the Installation guidelines available from Gerflor.

### CARE

GERFLOR floor coverings, like any surface subject to intensive use, require regular suitable care. Our care guides, available from Gerflor, specify the methodology to follow. At entrances connected to the outside, we recommend the use of doormats intended to retain dust or gravel.



Avoid any items or parts of items made of rubber liable to come into direct contact with our coverings (chair tips, furniture, rubber-backed rugs or doormats, etc.) and only use PVC or Polyethylene tips. Never use abrasive disks (green, brown or black) or any procedure that risks damaging the surface treatment (abrasive products, solvents, etc.).

For more information on installation and care, please contact us.

- ✓ The Fraunhofer-Gesellschaft Institute is a German organization dedicated to research in applied sciences. It brings together 56 institutes at 40 sites across Germany, each specializing in a particular research area and employing 13,000 people, making it one of the leading research organizations internationally.



- ✓ Virhealth, independent laboratory, specialised in virology, offers a wide range of standardized testing as well as the bespoke assays in order to determine virucidal activities of products, equipment and disinfection technologies. Virhealth performs tests according to the reglementary conditions.



- ✓ Bioquell, an Ecolab Solution, provides validated and compliant surface and airborne biodecontamination with 35% Hydrogen Peroxide Vapor technology. Ecolab Life Sciences, powered by Bioquell, delivers an end-to-end contamination control portfolio that allows you to have safer products and processes, meet regulatory and compliance requirements, and realize operational efficiencies.



Environmental Profiles Scheme  
Certificate Number ENP 359  
BRE 'A' Rated Green Guide Product



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Z0013719

**WE CARE | WE ACT.** Our Commitments for a Sustainable future



**CARBON FOOTPRINT\***

-20 % kg  
CO<sub>2</sub>equivalent/m<sup>2</sup>  
between 2020 and 2025



**BIOSOURCED CONTENT\*\***

10% by 2025



**RECYCLED CONTENT**

30% by 2025



**ADHESIVE FREE\*\*\***

35% by 2025



**ANNUAL VOLUME RECYCLED**

60 000 t by 2025

\* Scopes 1 and 2 defined in the GHG protocol. \*\* % of activity with biosourced materials.

\*\*\* % of activity - adhesive free solution.

