

# MIPOLAM BIOCONTROL

## Cleanroom Flooring

[industrybygerflor.com](http://industrybygerflor.com)



**Gerflor**<sup>®</sup>  
theflooringgroup



- **Certified for use in ISO-3 cleanrooms**
- *Certifié pour un usage en salles propres ISO-3*
- Zertifiziert für ISO-3 Reinräume



- **Extreme Resistance to Chemicals**
- *Excellente résistance aux agressions chimiques*
- Sehr hohe chemische Beständigkeit



- **Certified for use in GMP Class A cleanrooms**
- *Certifié pour un usage en salles propres BPF-Classe A*
- Zertifiziert für GMP-Klasse A Reinräume



- **Resistance to Heavy Traffic**
- *Résistance aux charges lourdes*
- Fahrdynamisch hochbelastbar



DESCRIPTION

Total thickness	-	EN ISO 24346 (EN 428)	mm	2 (0.08")	2 (0.08")
Roll Width / Length	-	EN ISO 24341 (EN 426)	m	2 x 20 (6' 6" x 66')	2 x 20 (6' 6" x 66')
Tile Format*	-	EN ISO 24342 (EN 427)	mm	608 x 608 (23.9" x 23.9")	608 x 608 (23.9" x 23.9")

CLASSIFICATION

Fire Rating	-	EN 13501-1	class	B <sub>fl</sub> -s1	B <sub>fl</sub> -s1
Fire Rating	-	ASTM E 648	class	Class 1	Class 1
Slip Resistance	-	DIN 51 130	class	R9	R9
Coefficient of Friction		ASTM D 2047	-	0.56 (exceeds)	0.56 (exceeds)
Coefficient of Friction		ASTM C 1028	-	Meets Requirements	Meets Requirements
European Classification	-	EN ISO 10874 (EN 685)	class	34-43	34-43
Reference specification	-	ASTM F1913 EN 14041	-	Meets Requirements	Meets Requirements
Maximum Static Load Limit	-	ASTM F970	-	-.002" under 250 psi Up to 2000 psi	-.002" under 250 psi Up to 2000 psi

PERFORMANCE

Particulate Emission	Fraunhofer Method	ISO 14644-1	-	ISO 3	ISO 4
Air Chemical Cleanliness	ISO 16000-6,-9,-11	ISO 14644-8	µg/m²/hr	TVOC = unmeasurable (at 23°C) ACCM/AMCm ≤ 9.6	TVOC = 4.7 (at 23°C)
Anion Emission	Fraunhofer Method	ISO 14644-8	µg/m²/hr	Unmeasurable (at 23°C)	155 (at 23°C)
Ammonium N Emission	ISO 11732	ISO 14644-8	µg/m²/hr	Unmeasurable (at 23°C)	Unmeasurable (at 23°C)
Static Electrical Propensity	EN 61340-4-5	EN 61340-5-1	kV	Antistatic <2	Antistatic <2
Electrical Resistance	EN 61340-4-1	EN 61340-5-1	Ω	Insulating >10 <sup>11</sup>	Insulating >10 <sup>11</sup>
Particulate Cleanability	Fraunhofer Method	VDI 2083 part 9.1 ISO14644-9	%	98.6% reduction in particulate contamination	85.66% reduction in particulate contamination
Biological Cleanability	Fraunhofer Method	ISO14698-1/GMP	classification	A-B	A-C
Action of micro-organism on the flooring	ISO 846	GMP	classification	Inert and resistant	Inert and resistant
Development of micro-organism on the flooring	ISO 846	ISO14698-1/GMP	classification	Bacteriostatic	Bacteriostatic
Chemical Resistance	ISO 2812-1	ISO14644-4/GMP	-	Excellent	Very good
Resistance to gaseous H <sub>2</sub> O <sub>2</sub> (HPV)	BIOQUELL Method	ISO14644-4/GMP	-	No damage	No damage

\* Tiles available for a minimum order quantity of 500m²

INSTALLATION

Laying is the responsibility of the installer. Installation should be made in accordance with installation guidelines supplied and regularly updated by Gerflor’s Technical Department. Installation should be carried out in accordance with local standards. Subfloor to be smooth, hard, clean and dry prior to laying. Where applicable the subfloor must incorporate an effective Damp Proof Membrane. The material must be allowed to acclimatise 24 hours prior to installation in a room temperature of between 18-24°C. All seams must be heat welded using Gerflor matching weld rod.

MAINTENANCE

Maintenance should be carried out regularly to retain the appearance and durability of the floor. The floor covering should be maintained with regular sweeping and damp mopping using a neutral cleaner, or auto scrubber machine with an appropriate pad.



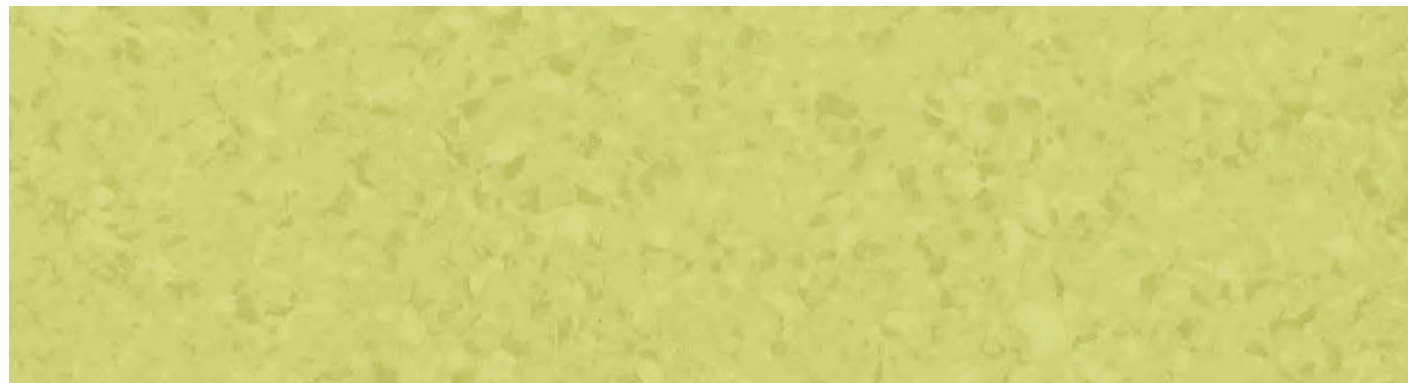
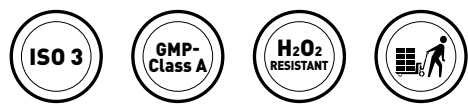
Rubber leaves indelible stains on vinyl floorings: do not use mats with rubber backing and replace tubular furniture feet with those made of PVC or polyamide.  
Place mats of sufficient length at entrances to reduce outside sources of dirt.

Further installation and maintenance instructions are available from Gerflor.





# MIPOLAM BIOCONTROL PERFORMANCE



BP-6027 ACACIA



BP-6008 CALICO



BP-6006 BLUE SKY



BP-6009 GREY STONE



BP-6016 SEA BLUE



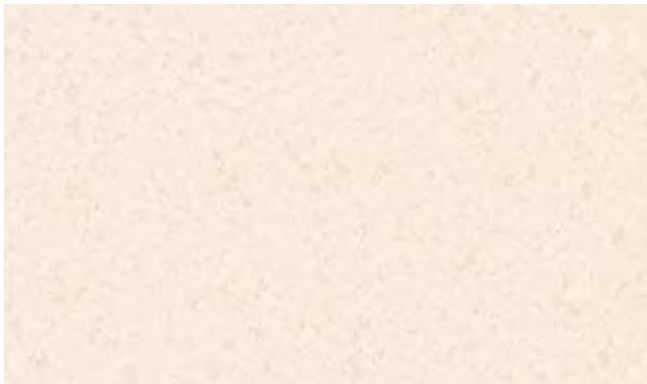
BP-6029 CLOUD



BP-6044 SEA STORM



BP-6031 BREEZE



BP-6001 COTTON



BP-6041 CLAY



BP-6032 SUNSHINE



BP-6039 PEBBLE



BP-6035 SUNSET



BP-6043 WOOD



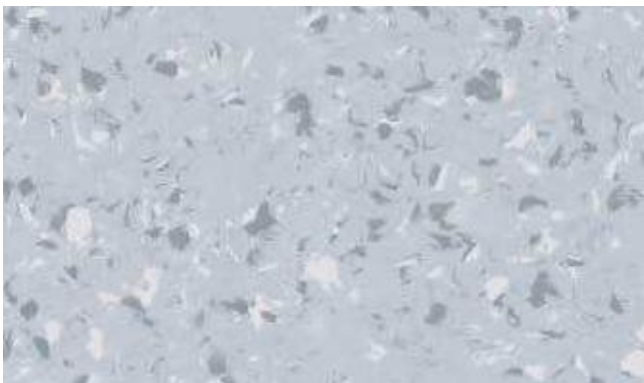
BP-6055 TOMATO



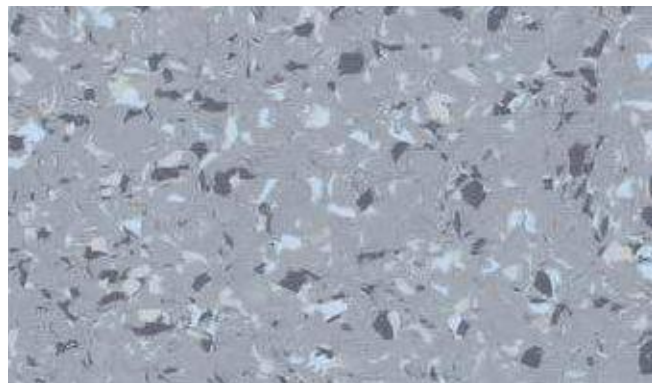
# MIPOLAM BIOCONTROL



B-5312 WHITE PEPPER



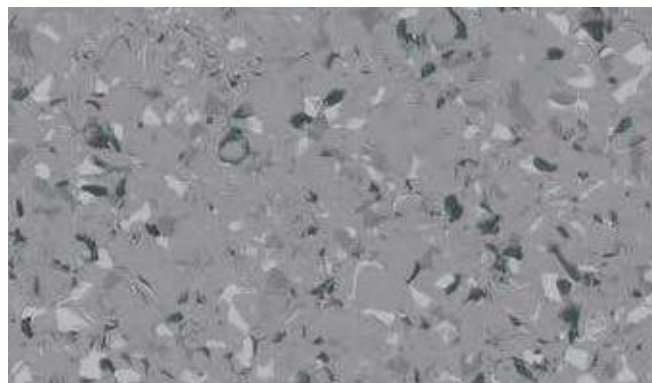
B-5310 MIXDIM



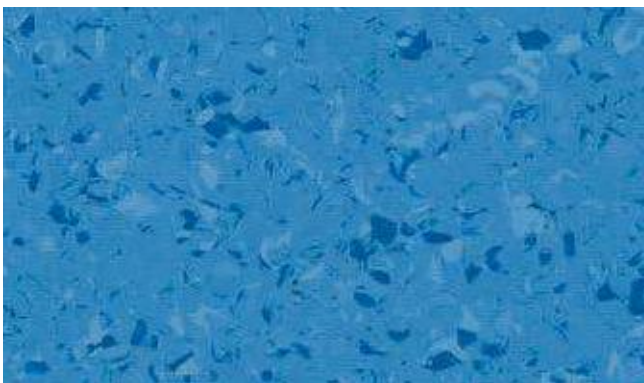
B-5320 MIXGREY



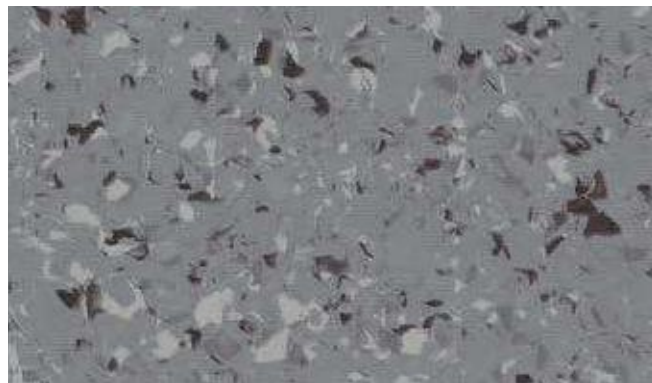
B-5306 MIXBLUE



B-5330 SMOKE



B-5366 IRIS



B-5350 SLATE



B-5356 INDIGO



**B-5305 GARLIC**



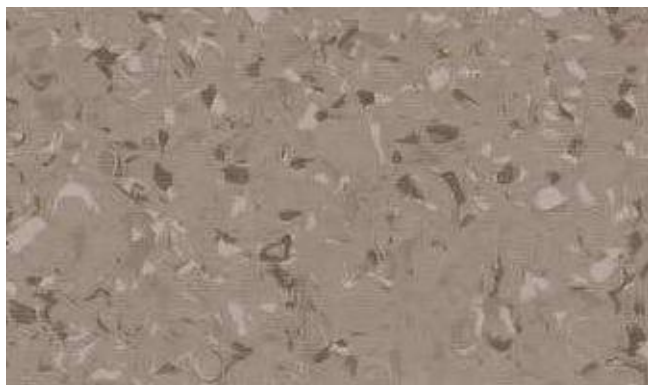
**B-5303 MIXBEIGE**



**B-5341 PEANUT**



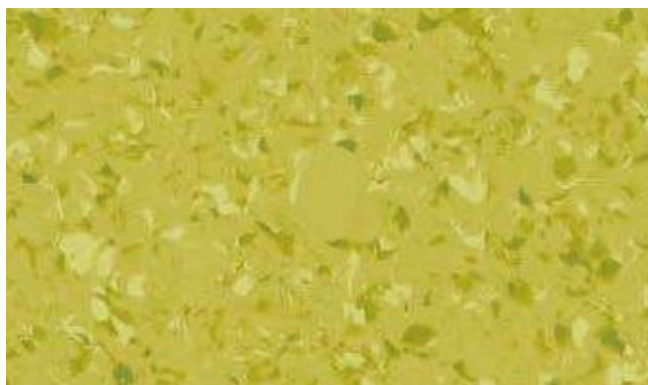
**B-5332 TURMERIC**



**B-5363 CINNAMON**



**B-5385 SAFRAN**



**B-5347 CHERVIL**



**B-5375 PAPRIKA**



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GERFLOR, ECO-RESPONSIBLE SOLUTIONS




**COMPOSITION**  
100% REACH compliant  
FREE of formaldehyde  
FREE of heavy metals  
FREE of solvent



**RECYCLED CONTENT**  
25% average recycled content  
100% REACH compliant recycled content




**RECYCLABILITY**  
100% recyclable product




**INDOOR AIR QUALITY**  
TVOC emissions between 10 and 100 times better than norms requirements  
Floorscore certified  
No formaldehyde emission



**INSTALLATION**  
Innovative adhesive  
free installation systems



**LCA**  
- Eco-designed according to a product specific Life Cycle Analysis  
- Product specific EPD (Environmental Products Declaration) available  
- Manufactured in an Iso 14001 and Iso 50001 certified site  
- Contribution to many Green Building Schemes (LEED, HQE, BREEAM...)



**WELLNESS**  
Health: Antibacterial activity (inhibits growth > 99%)  
Safety: Anti slip performance  
Comfort: Walking comfort and impact noise reduction