

RAISING THE STANDARDS OF  
**LIFE SCIENCES INDUSTRIES**



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



# GERFLOR, PARTNER OF THE LIFE SCIENCES INDUSTRIES FOR 80 YEARS

A selection of our clients

COSMETICS - BIOTECHNOLOGY - PHARMACEUTICALS - MEDICAL  
DEVICES - VETERINARY SUPPLIES - FOOD PRODUCTION - SAFETY LABS



## Biotech IGBMC



*"Gerflor offered a full set of products and services with technical solutions for every corner of our laboratories. Furthermore we enjoyed the support of a technical team from the starting point till the end of the project."*

**Nicolas Bensele, Technical manager**

LABORATORIES



# Pharmaceuticals

## UPSA SITE / BRISTOL-MYERS SQUIBB



*"With GTI CleanTech, SPM Decoclean and Clean Corner System, Gerflor supplies a full wall-to-floor retrofit system that became our standard to save time and money on the whole lifespan of our facility."*

**Denis PLEDAN**, Maintenance technician

— GMP CLEANROOMS

# Research

## LABORATORY



*"Gerflor offers contamination control solutions from the airlocks upto the most sensitive areas such as bio-safety labs."*

**Gérard JOUVENT**, Cleanroom builder

— BIO-SAFETY LABORATORY



# GERFLOR EXPERTISE

## The specifics of the life sciences industry

### STANDARDS

To guarantee production quality, manufacturers in the life sciences industry (pharmaceuticals, cosmetics, etc.) need to comply with various standards and regulations, and to Good Manufacturing Practices (GMP):

- ISO 14644-1 Classification of air cleanliness
- ISO 14644-8 Control of molecular contamination
- ISO 14698-1 Control of biocontamination

To comply with them, manufacturers must use special facilities to control the production environment: cleanroom.

The constraints can vary depending on the activity and are classified as follows:

- CLASS A, B, C or D for industries subject to GMP
- ISO 4, 5, 6, 7, 8, 9 for the rest (formerly class 10, 100, 1000...)



## Gerflor solutions satisfy all the requirements of an industrial environment

The formulations of GERFLOR products limit the emission of controlled particles and molecules when subject to temperature differentials. Compacting reduces the microroughness of surfaces to limit the adhesion of particles and microorganisms.



### ULTRA CLEAN

- GERFLOR products are smooth, rot-proof, non-absorbent, watertight and non-porous.
- Heat-welded smooth seams to avoid any level difference (floor-floor, floor-wall...) Weld and surface-integrity controls ensure the quality of the installation.



### WATERTIGHTNESS

Exclusive installation solutions ensure a perfect seal across the entire surface of the fitted zone:

- covings,
- hot-welding,
- easy-fit corners,
- control of welding and surface integrity



### EASE OF CLEANING AND DECONTAMINATION

Factory-applied surface treatments:

- does away with the need to apply acrylic emulsion for the **lifetime of the product**
- offer **high resistance to decontamination products** (hydrogen peroxide, peracetic acid, etc).
- And, combined with GERFLOR installation, enable a great **ease of maintenance**.

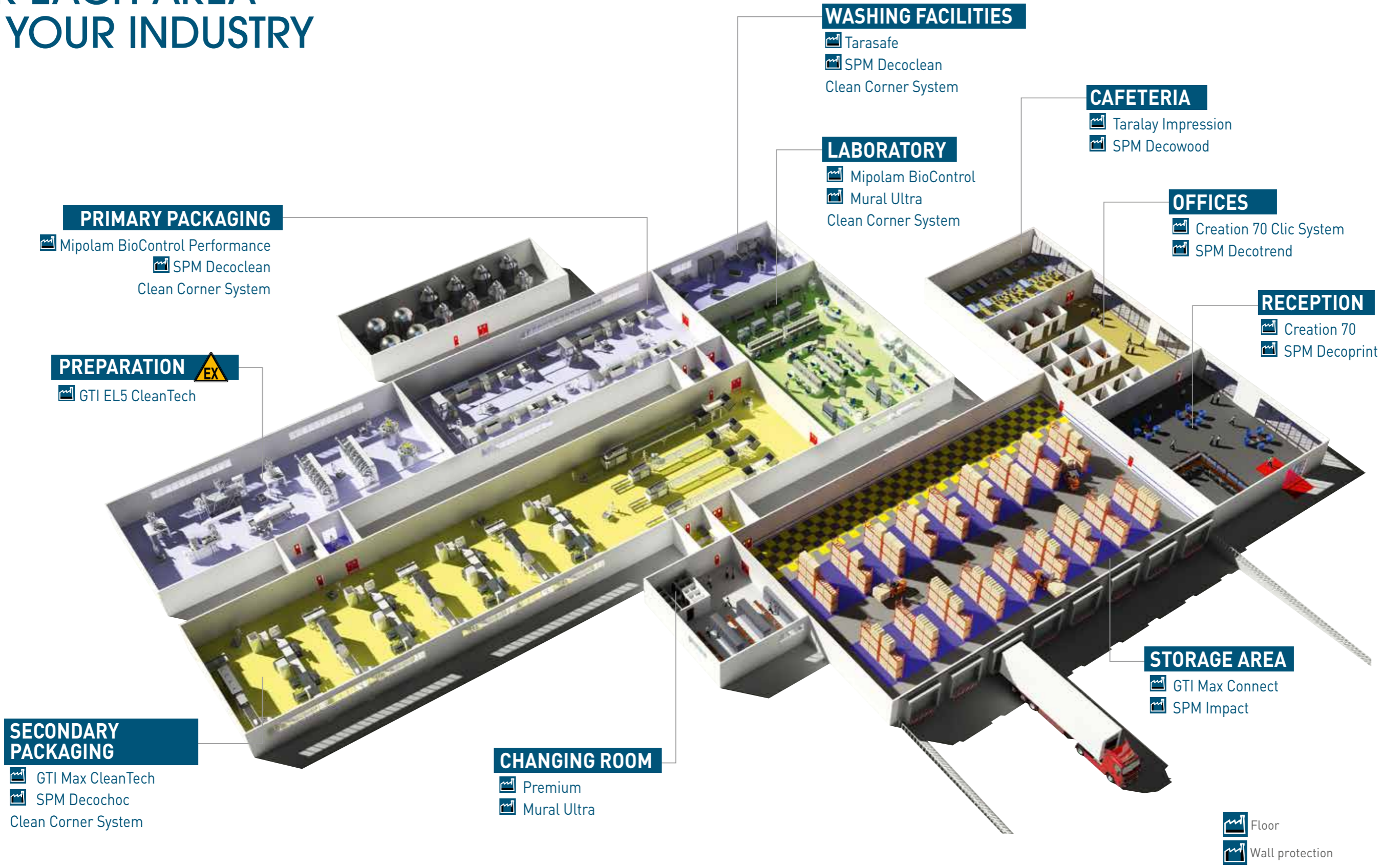


### DURABILITY

- GERFLOR solutions are particularly **wear-resistant and withstand** impacts from carts and other tanks in pharmaceutical production units.
- The quality of the factory-made products -- using a tightly controlled production process -- does not depend on operating conditions nor on the installer's competence.



# A GLOBAL SOLUTION FOR EACH AREA OF YOUR INDUSTRY

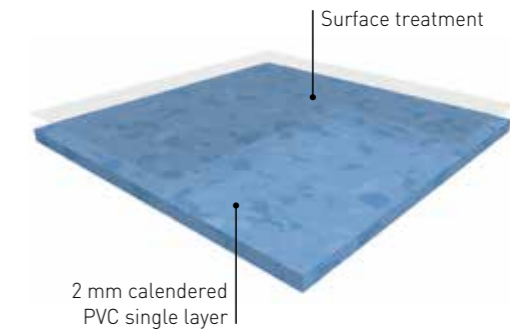




# CERTIFIED FLOORING FOR NEW-BUILT



## MIPOLAM BIOCONTROL RANGE



THE **+** TOP-OF-THE-RANGE CLEANROOM FLOOR COVERING

### ISO3 IMPACT ON PRODUCTION ENVIRONMENTS

- **Particulate cleanliness:** ISO3 from the standard ISO 14644-1
- **Electrostatic cleanliness:** Insulating and antistatic floors in accordance with EN 1081 and EN 1815

### RESISTANCE TO COMMON DAMAGE IN CLEANROOMS

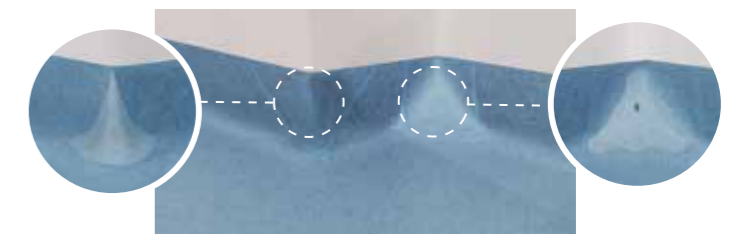
- **Resistance to microbiological damage:** bacteriostatic
- **Resistance to chemical damage:** more than 100 products tested
- **Resistance to heavy loads:** up to 5MPa i.e 500T/m<sup>2</sup>

### CLEANING & DECONTAMINATION

- **Particulate cleanability** ACS of 98.6%
- **Microbiological cleanability** GMP Class A (tested with A.Niger and E. Coli)
- **Resistance to bio-decontamination processes** Compatible with regard to liquid and vaporised hydrogen peroxide

### CLEAN CORNER SYSTEM

- Corner system for contamination control in cleanrooms





# CERTIFIED FLOORING FOR RENOVATION



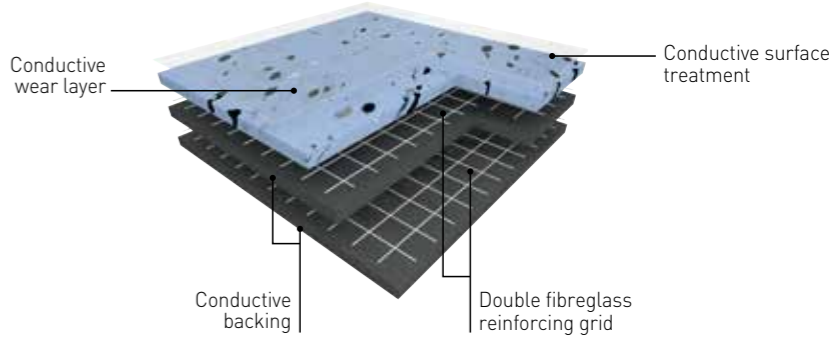
BEFORE



AFTER

## GTI CLEANTECH RANGE

### GTI EL5 CLEANTECH



THE **+** FAST RENOVATION FLOORING SOLUTION FOR CLEANROOMS



#### EASY AND FAST INSTALLATION

- **Loose laid:** no glue
- **Easy to replace/repair**
- **Immediate return to production:** no adhesive curing time



#### SPECIFICALLY DESIGNED FOR CLEANROOMS

- **Certified for GMP - Class A Class A / ISO 5 cleanrooms**
- **Smooth surface,** easy to clean
- Can be hot welded to produce a **watertight system**
- **High resistance to chemicals**
- **Resistance to heavy traffic**



#### ADAPTED FOR EXPLOSIVE AREAS

- **Floor with static conductive properties,** if installed with a copper strip\*

*\* In accordance with the corresponding Gerflor installation procedures*

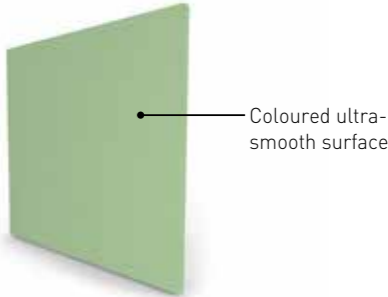
### GTI MAX CLEANTECH

- Alternatives for GMP - Class C/D cleanrooms (ISO 7)

# WALL PROTECTION



## SPM DECOCLEAN



THE **+** ULTRA-RESISTANT WALL PROTECTION FOR CLEANROOMS



**EASY TO CLEAN**

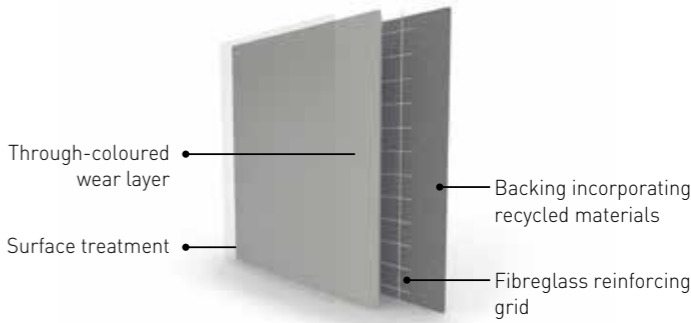
- Ideal for repairing damaged walls (H<sub>2</sub>O<sub>2</sub>, impacts)
- Ideal for converting rooms with tiled or plasterboard walls into cleanrooms



**HIGH RESISTANCE:**

- Withstands impacts and shocks

## MURAL ULTRA



- Flexibility during installation
- High impact resistance
- Suitable for wet areas and grey areas



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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

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