CLEANROOMS

VINYL FLOORING FOR CLEANROOMS AND CONTROLLED ENVIRONMENTS

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WHERE

Electromechanical and electronics industry
Chemical and pharmaceutical industry
Aerospace industry
Medical and industrial gas manufacturing industry
Textile and petrochemical industry
Explosives manufacturing industry
Fireworks manufacturing industry
Flammable warehouses
Laboratories with electronic equipment
Operating and diagnostic imaging rooms
Cleanrooms and sterile environments

BENEFITS

CONTINUOUS SURFACES
CORROSION RESISTANCE
SLIP RESISTANCE
THERMAL RESISTANCE
FIRE RESISTANCE
ANTI-DUST
CERTIFIED SOLUTIONS
AST/ESD
ECO-SUSTAINABLE SOLUTIONS

DESIGN STAGE

From electronics, automotive and food to pharmaceuticals and cosmetics, more and more products need to be manufactured and processed in sterile environments. Cleanroom production and high levels of component cleanliness are essential to achieving the desired product quality in many of these sectors.

Our structured approach is based on over 40 years of experience in the flooring sector – certified sustainable solutions and the know-how of listening to our customers to always provide the right answer to every need.

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ACQUIRED **KNOW-HOW** IS EXPRESSED
IN THE **EFFECTIVENESS**
OF THE PROPOSED **SOLUTIONS**

Corridoi sterili di laboratorio ad alta tecnologia

SAFE AND LASTING CHOICES

FLOOR EVALUATION
The overall floor structure and each of its components (foundations, subfloors, screeds, industrial floors, and finishes) are complementary and work together to provide the performance and durability required for the specific activity.

FEATURES AND DETAILS
Evaluating all aspects, whether complex sites or a single client, type of business and requirements.

COST EVALUATION
Preparation of surfaces before receiving a new resin coating. Suitable resin solutions and performance.
More: joints, signage.

VINYL FLOOR CHOICE
A specific solution for each plant or business sector. Durable and sustainable solutions, available in conductive or dissipative versions for the protection of technical environments.

SAFETY
Accident-prevention floors, anti-slip, guides and tactile strips.

GUARANTEES
Qualified trustee applicator. Certified solutions. We are structured to offer targeted solutions to meet the requirements of each project. Always at the customer's side, every step of the way, right up to delivery, with respect for layouts and schedules.

LIFESPAN
The life expectancy of a surface finish is determined by a combination of mechanical, chemical, thermal shock, and wear stress. These stresses are typical and different for each environment. Durable flooring refers to flooring that lasts for a long time without deterioration or loss of performance.

SHORT INSTALLATION TIME
Very fast installation time, application on existing floors with considerable time and cost savings.

SUSTAINABILITY
Our solutions are designed to meet highest requirements in made from recycled and recyclable materials.

EXPERIENCE
For over 40 years, we have been in charge of the floors of the largest chemical-pharma industries in the country.

EASY MAINTENANCE
Surface treatments that protect the surface while ensuring maximum resistance to scratches and wear. They also facilitate cleaning and maintenance.

LEED
Systems that are part of the Prima Pavimenti range have a LEED® Information Statement detailing how they can contribute to a building's LEED credits.

QUALITY IS VISIBLE
AND 100% **CERTIFIED**

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SOLUTIONS

SAFE AND LASTING CHOICES

SAFETY IN COMPLIANCE WITH STANDARDS

Advanced cleanroom solutions designed and certified for sterile environments, from the semiconductor and electronics industries to bio-industries or the healthcare and medical sectors. Able to meet the most stringent requirements and regulations to protect equipment, the environment and people.

Effective protection against potential damage caused by electrostatic discharges is provided by ESD protected areas, **known as EPAs (Electrostatic Protected Areas**). Within these
areas, special precautions are taken to handle ESD-sensitive components safely.

ESD does not represent a risk to humans, but it can be dangerous in electronics manufacturing, causing total failure or hidden defects in electronic equipment, resulting in complaints, repair or replacement costs, loss of customers, and damage to the reputation of manufacturing companies.

It has been calculated that around 300 volts of ESD is enough to damage or destroy an electronic device and that a person walking alone can generate up to 3000 volts. It is therefore necessary to have a floor that can dissipate electrostatic charges quickly and effectively.

The **ATEX zone (an acronym for ATmosphères EXplosibles, i.e. 'explosive atmosphere')** or classified zone is a physical volume part of a plant or work area in which the presence of a potentially explosive atmosphere has been assessed, in which flammable substances in the form of vapours, gases, mists or dusts are present with air under certain atmospheric conditions and in which possible combustion may cause deflagration.

An 'explosive atmosphere' is also defined as an atmosphere which may become explosive due to local or operational conditions.

Floor coverings in ATEX areas are of the utmost importance to prevent ignition, that is the accumulation of electrostatic charges that could lead to sparking.

Simply walking on the floor is more than enough to form the ignition if the flooring does not have adequate antistatic dispersive characteristics.

The main features of PVC clean room flooring are

- hygienic due to its antistatic and antimicrobial properties that prevent bacteria from growing
- the perfect weldability
- the non-slip surface
- the absence of health hazards for users
- very high resistance to wear
- low footprint
- impermeability
- excellent dimensional stability and fire behaviour.

Compared to other materials, maintenance costs are lower, footfall noise is low and the material has excellent resistance to chemicals, oils and greases.

Non-slip

Impact
Resistance

High resistance
to loads

High chemical
resistance

Easy
to clean

CERTIFIED SYSTEMS

ELECTROCONDUCTIVE ESD

ESD flooring available in conductive or dissipative versions for protecting technical environments such as cleanrooms, clean rooms, technical environments (production rooms, electronic equipment, healthcare environments, etc.)

Format: tiles or rolls
Thickness: 2 to 6 mm

INTENDED USE.

Technical environments
Transit lanes
Laboratories and mechanized warehouses
Industrial cleanrooms
Pharmaceutical cleanrooms
Operating and diagnostic imaging rooms

TECHNICAL FEATURES.

Waterproof and non-slip (R9)
Electro-conductive properties
Easy to clean and sanitize
Compliant with cleanroom decontamination process
Adhesive-free installation
Recycled and recyclable material
Fire resistance class Bfl-s1
European classification - commercial 33
European classification - light industry 43

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Non-slip

Impact Resistance

High resistance to loads

High chemical resistance

Easy to clean

CERTIFIED SYSTEMS

HOMOGENEOUS HETEROGENEOUS LINOLEUM

Solutions for medium to heavy traffic industrial environments on concrete subfloors and cement-based screeds. High quality conductive floor covering for highly sensitive ESD areas

Format: tiles or rolls
Thickness: 2 to 6 mm

INTENDED USE.

Electronics industry
Pharmaceutical production departments
Laboratories and cleanrooms
Automotive and aerospace industry
Flammable material warehouses
Electronic and robotic handling industries
Electronic data processing areas
Electronic, radar and military installations

TECHNICAL FEATURES.

Waterproof and anti-slip (R10)
Static dissipative or conductive
Exceptional stain and chemical resistance
Resistant to heavy traffic, scratches and footprints
Easy to wash and sanitize
Compliance with clean room decontamination process
Sound absorption of 5 dB
Glue or adhesive free installation
Made from recycled and recyclable material
Fire resistance class Bfl-s1
European Classification - Commercial 33
European classification - light industry 43

ACCESSORIES

Floor signage

CLEANROOMS

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Non-slip

Impact Resistance

High resistance to loads

High chemical resistance

Easy to clean

CERTIFIED SYSTEMS

CLEANROOM WALL COVERING

Resilient, solid-coloured PVC wall panels designed for laboratories and clean rooms, providing high performance protection against knocks, scratches and stains. Flexible and easy to install, they provide a hygienic surface by reducing levels of dust, airborne microbes, aerosol particles and chemical vapours. The special finish makes the surface easy to clean, further improving hygiene. They can be welded to the floor to create a continuous floor-to-ceiling airtight chamber.
Ideal for renovations.

Can be applied to smooth, dry, clean, hard, soundproof concrete, plaster, hardboard, plywood and fibreboard walls. The panel must be firmly fixed to prevent moving or deforming.

Format:	rolls
Total thickness:	1.50-2.00 mm

INTENDED USE.

Cleanrooms
Labs

TECHNICAL FEATURES.

Resistant to stains and spillages caused by water and chemicals
Extra bacteria resistant
Impact resistant - no visible marks
Glued installation
Easily washable and brushable
100% phthalate free, recycled and recyclable product

ACCESSORIES

Profiles and closing beads,, floor-to-wall jointing connections
Waterproof welded beading

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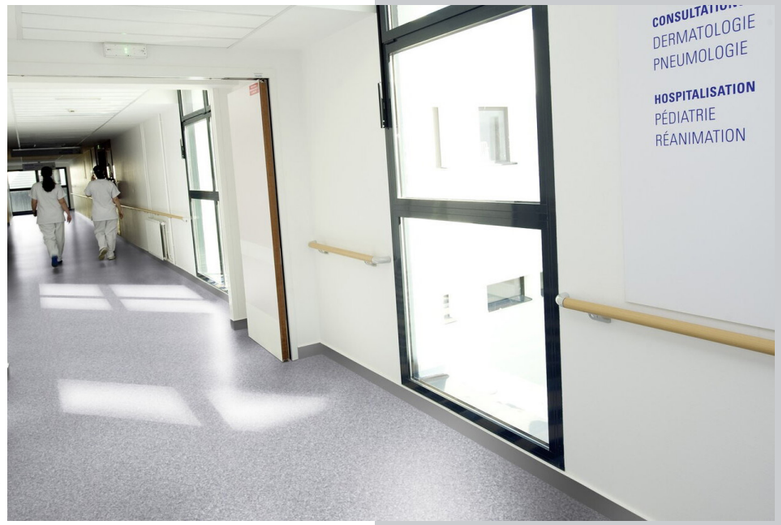
CASE HISTORY

Our industrial know-how and expertise in this field, our partnerships as well as recognized qualities over the years, have allowed us to become a major player in this sector.

The best calling card is the flooring we have realised. In Italy, in Europe and, in the rest of the world.

SOME OF OUR CUSTOMERS

ITINERA · ALSTOM · STMicroelectronics · LEONARDO FINMECCANICA · AgustaWestland A Finmeccanica Company · webuild · AVON · SCHERING making medicine work · BNP PARIBAS · RIZZANI DE ECCHER · BRENNTAG · ButanGas Dragan Group since 1948 · MENARINI group · I.R.C.C.S. Ospedale San Raffaele · I.R.C.C.S. Policlinico San Donato Gruppo San Donato · OSPEDALE NIGUARDA CA' GRANDA · IMPRESA PERCASSI · I.R.C.C.S. ISTITUTO ORTOPEDICO GALEAZZI · PIZZAROTTI SINCE 1910 · Italchimica · COLOMBO COSTRUZIONI · SST Azienda USL Toscana nord ovest Servizio Sanitario della Toscana



Hospital technical environment

Rooms and sterile environments

CLEANROOMS

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OG 3 Classe II

PARTNERS

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