

# CLEANROOMS



VINYL FLOORING  
FOR CLEANROOMS AND  
CONTROLLED ENVIRONMENTS

**Prima**  
PAVIMENTI SPECIALI



## 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.

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

## 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.

Corridoi sterili di laboratorio ad alta tecnologia

### 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

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.

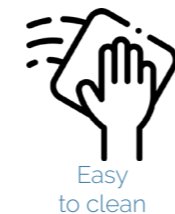
Simply walking on the floor is more than enough to form the ignition if the flooring does not have adequate antistatic dispersive characteristics.

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.

SAFETY IN COMPLIANCE  
WITH STANDARDS



# 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.

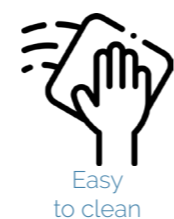
Technical environments  
Transit lanes  
Laboratories and mechanized warehouses  
Industrial cleanrooms  
Pharmaceutical cleanrooms  
Operating and diagnostic imaging rooms

### 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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# 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.

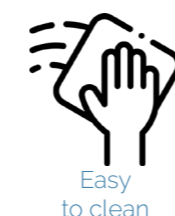
Waterproof and anti-slip (R10)  
Static dissipative or conductive  
Exceptional stain and chemical resistance  
Resistant to heavy traffic, scratches and footprints  
Easy to wash and sanitize  
Compliance with clean room decontamination process  
Sound absorption of 5 dB  
Glue or adhesive free installation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

### ACCESSORIES

Floor signage

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# 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

Hospital technical  
environment



Rooms and  
sterile environments



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# CONTACTS

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### CERTIFICAZIONI



OS 6 Classe IV  
OS 26 Classe IV  
OG 1 Classe III  
OG 3 Classe II

### COMPAGNIA ASSICURATIVA



### ASSOCIAZIONI



# PARTNERS

### APPLICATORI FIDUCIARI



SHERWIN-WILLIAMS.

### PARTNER

