

PHARMACEUTICAL



CHEMICAL, PHARMACEUTICAL
AND COSMETIC INDUSTRIES
FLOORING

Prima
PAVIMENTI SPECIALI

Chemical, pharmaceutical and cosmetic industry
Chemical and para-chemical industry
Petrochemical and process industry
Plastics and technofibre industry
Dye and paint manufacturers
Soap, detergent and cosmetic manufacturers
Manufacturers of fertilisers, explosives and adhesives
Chemical and pharmaceutical analysis laboratories
Research laboratories
Cleanrooms

BENEFITS

HACCP CONTINUOUS SURFACES
ANTIMICROBIAL SURFACES
SLIP RESISTANCE
THERMAL RESISTANCE
FIRE RESISTANCE
ABRASION RESISTANCE
CERTIFIED SOLUTIONS
ECO-SUSTAINABLE SOLUTIONS

DESIGN STAGE

The design and choice of resin flooring is key to minimising biological contamination throughout the working process and to the correct storage of products, including maintaining operator safety. Whether it is a chemical, pharmaceutical or cosmetics industry, each environment and activity has specific requirements for flooring, walls, production and processing areas, packaging and storage areas, temperature controlled cells or warehouses.

Our structured approach is based on more than 40 years of experience in flooring - certified sustainable solutions and the expertise to listen to our customers to provide the right answer to every need.

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

SCELTE SICURE E DURATURE

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. Also: walls, drains, joints.

CHOICE OF RESIN COATING

A specific solution for each area of the plant. Certified systems with a wide range of resistance to acids, bases, fats, oils, solvents and salt solutions.

JOINTLESS SURFACES

Complies with the strictest standards, inhibiting bacterial growth and dirt accumulation.

GUARANTEES

Trustee applicator and durability warranties. The coating does not undergo any alterations, even in processing areas.

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

We use solutions that meet the highest standards of health and well-being. All floor coverings are low emission (VOC free) and meet the stringent parameters of the German AgBB standard.

EXPERIENCE

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

MAINTENANCE

Resin systems ensure durability and avoid high maintenance costs. Scheduled and targeted cleaning is required to maintain performance.

LEED

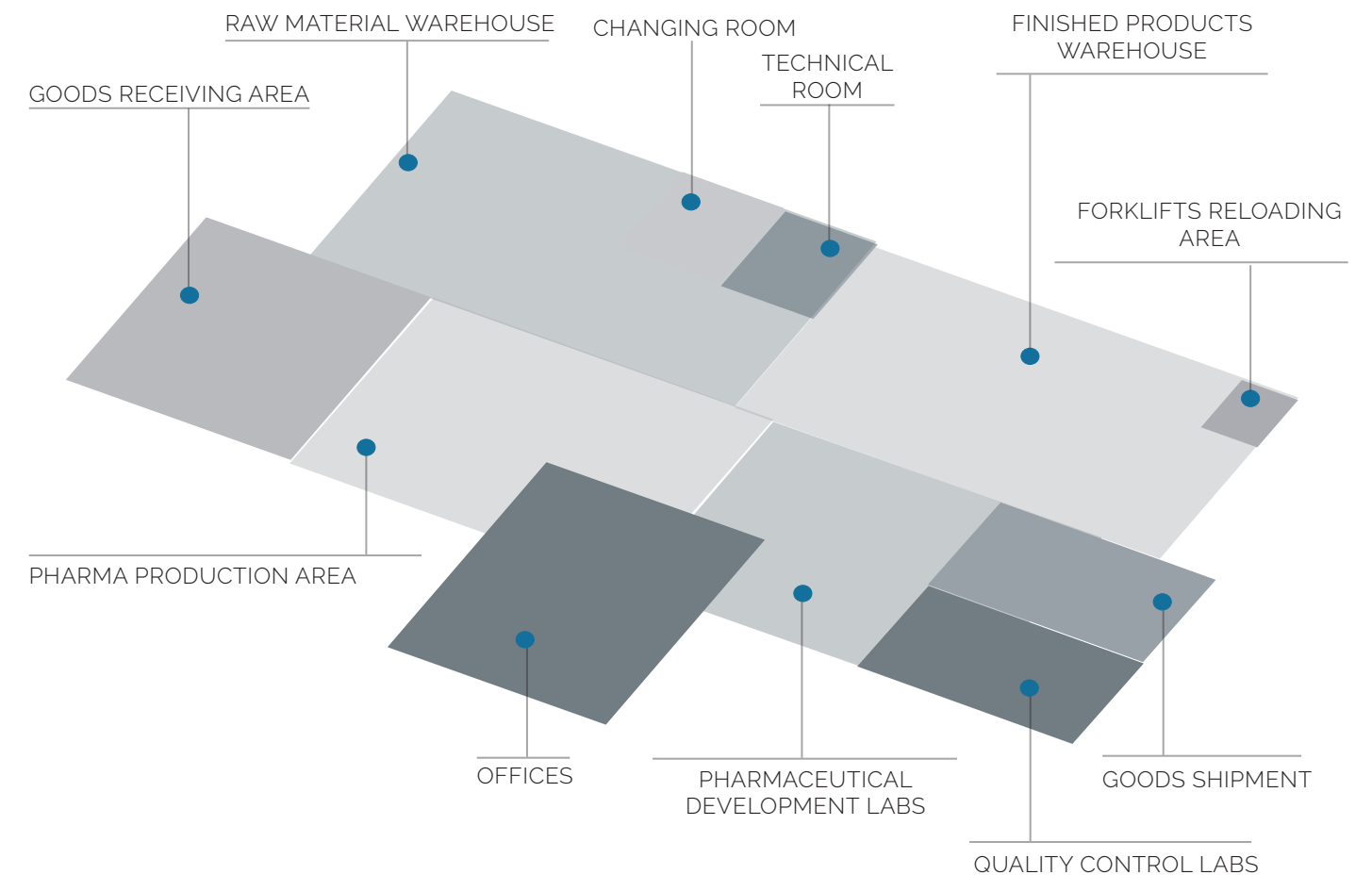
The resin system or polyurethane cement coating used includes a LEED® information statement detailing how it can contribute to the building's LEED credits.

**QUALITY IS VISIBLE
AND 100% CERTIFIED**





SOLUTIONS LAYOUT



REFURBISHMENT WITHOUT COMPLETE DEMOLITION

When renovating factory or department floors, restoring deteriorated or worn surfaces by applying a new resin coating to the existing floor (industrial concrete, old resin or paint, klinker tiles) is an option that can optimise aspects such as cost of intervention, quality of solution and limitation of downtime.

Before laying a new floor on an existing substrate, it is important to check the condition of the site and the substrate itself. Depending on the type of substrate, certain conditions must be present at the same time. Depending on the intended use and the activities to be carried out, the substrate is then suitably prepared and the resin system selected.



Pharma finished product warehouse



Project: Avon - Olgiate (CO)



Antibacterial



High chemical
resistance



Non-slip



Easy
to clean



Eco-Friendly

CERTIFIED SYSTEMS

Multi-layer resin floors are the ideal solution for those in search of a functional and durable floor covering. This coating guarantees excellent mechanical properties, durability and impermeability thanks to the overlapping of one or more resin layers. Multilayer epoxy resin floors are continuous (without joints) and therefore easy to clean.

They are hygienic and easy to decontaminate, and have non-slip properties for safety and stability. Used in processing and storage areas in the chemical and pharmaceutical industries. Not suitable for clean rooms.

Variable thickness from 0.8 to 3.5 mm

FEATURES

- Non-slip effect.
- High resistance to wear from trolleys and moving vehicles.
- Resistant to diluted mineral acids such as: hydrochloric, nitric, phosphoric and sulphuric.
- Resistant to frequent washing.
- Easily sanitised.
- Reduces the intervention time and therefore the downtime of the plant.
- Mechanised warehouse suitable.
- VOC-free

> PRODUCTION DEPARTMENTS WITH
MECHANICAL LOADS
> AUTOMATED WAREHOUSE

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Cleanrooms



Antibacterial



High chemical
resistance



Non-slip



Easy to
clean



Eco-Friendly

CERTIFIED SYSTEMS

A cleanroom is a biomedical laboratory with a controlled atmosphere and filtered mechanical ventilation. The environment is characterised by an almost total absence of dust particles and clean, pollutant-free air to prevent contamination of any products manufactured in this area during production.

The environment must be sterile and aseptic, in accordance with strict standards that regulate the insulation of the entire chamber, the fire protection, the type of materials used in its construction, the lighting, the physical and chemical stability of the surfaces and the ease of cleaning.

Self-levelling epoxy coatings are the best solution for the design of flooring in the biomedical sector, especially for the design of clean rooms, in order to guarantee a sterile environment.

ADVANTAGES

- High chemical resistance
- Impermeability
- Compression resistance
- Easy to wash and decontaminate
- Smooth effect
- Continuous surface that prevents the accumulation of dust, dirt and mold
- Ideal for covering existing floors without total demolition, optimising costs and time
- Possibility of antibacterial floors with silver ions that inhibit bacterial proliferation
- Conductive, dissipative, antistatic if required
- Breathable, vapour permeable where required
- VOC free

SELF-LEVELLING EPOXY

- > CLEANROOMS
- > ASEPTIC ROOMS
- > ROOMS WITH RISING DUMP
- > ATEX AREAS

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Antibacterial



Thermal shock
resistance



Non-slip



High chemical
resistance



Eco-Friendly

CERTIFIED SYSTEMS

Polyurethane-cement coatings have greater resistance and durability due to the technical properties of polyurethane-cement, with thicknesses ranging from 4 to 12 mm.

FEATURES

Temperature resistance. The increased thickness protects the joint with the substrate from high stresses and thermal shocks (up to 130°C depending on thickness) and high temperature water washing with a hydro-cleaner.

High mechanical strength. Excellent abrasion resistance, better shock absorption.

High resistance to chemicals: from strong acids to alkalis, fats, oils and solvents and hydrocarbons that can damage other types of resin flooring, typical of the chemical and petrochemical industry.

Very fast setting, even at low temperatures. Polyurethane cement floors are walkable after 8 hours, making them suitable for renovation and minimising downtime.

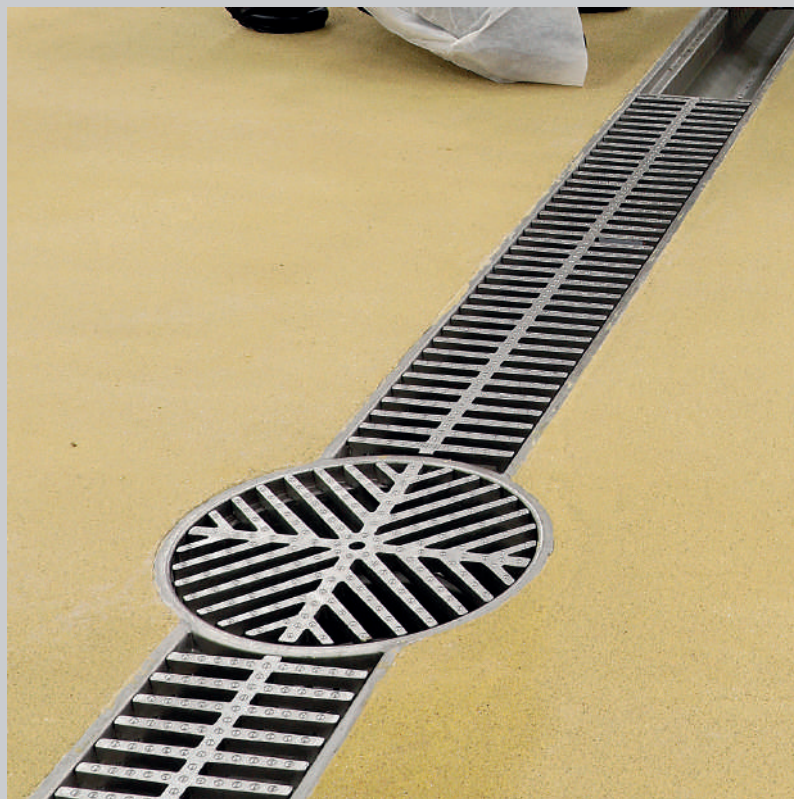
Very high standard of hygiene. Cleanliness is comparable to stainless steel and does not encourage biological growth. Safe for food and staff, highly slip resistant.

POLYURETHANE CEMENT MORTAR

- > PRODUCTION DEPARTMENTS WITH HIGH MECHANICAL AND CHEMICAL LOADS
- > PRODUCTION AREAS WITH THE PRESENCE OF HOT WATER AND STEAM
 - > CLEAN ROOMS
 - > ATEX AREAS

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COMPLEMENTS

In pharmaceutical cleanrooms, drainage systems have the function of collecting water and preventing the formation of watery residues and bacteria on the floor.

Resin based coatings integrate well with the accessories necessary to work correct and safe.

The surface equipped with a drainage system helps to increase the level of hygiene and operator safety.

Fillets are floor-to-wall joints that ensure perfect hygienic continuity and an impermeable installation that prevents the accumulation of dirt and facilitates cleaning, as required by existing legislation.

Unlike other solutions using skirtings or separately glued skirting boards, fillets more effectively prevent dirt and bacteria from settling in the cracks between perimeter walls and the floor, making the flooring continuous and surfaces easier to clean.

Even if the walls do not come into direct contact with the food, it is still important that they are treated correctly to prevent the build-up of dirt and bacteria. Epoxy systems can also be applied in a vertical position and are easy to clean and disinfect.

DRAINAGE SYSTEMS

FILLETS



Structural aluminium joint



Smart Joint ® applied on finished resin floor

COMPLEMENTS

Structural joints for wheeled floors, characterised by a metal structure, necessary to withstand the high loads generated by the passage of forklifts, transpallets and heavy vehicles in general.

The material used is aluminium, but it is not uncommon to use steel, which is more strong and suitable for logistics environments.

Smart Joint® is a prefabricated polymer composite joint for installation on old, damaged joints, even those with extensive movement and heavy industrial traffic. It becomes part of the floor and is applied with total adhesion to the existing substrate. After installation, it is a guarantee of flatness and continuity of the surface.

The surface can be used after just 12 hours. It requires no maintenance and does not deteriorate over time. It helps protect the health of forklift drivers by preventing wear and tear on the wheels of the handling equipment. It acts as a permanent bridge for thermal movement, allowing both vertical and horizontal movement of the floor.

STRUCTURAL JOINTS

SMART JOINT®

>WAREHOUSES AND DEPOTS

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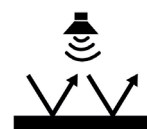
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Project: Nike European Headquarters — Hilversum, NL



Project: Amazon - Novara



Acoustic
comfort



UV resistant



Non-slip



Eco-Friendly



Easy
to clean

CERTIFIED SYSTEMS

When you think of upgrading your office flooring, you think of a solution that is both elegant and functional. The solutions you choose should not only be aesthetically pleasing but also guarantee technical performance and durability.

In other words, they should look good and perform well for many years with minimal maintenance. In addition to resin flooring, we offer alternative solutions. These include vinyl flooring, woven vinyl flooring, carpet, and linoleum.

These are suitable for all environments, from reception areas to offices and meeting rooms, where noise reduction is a requirement.

They are also suitable for rooms with more specific needs, such as toilets, technical or server rooms (with anti-static requirements), corridors and staircases (with heavy traffic and anti-dust requirements), or rooms in contact with the ground (technical rooms, archives, or basements) with more basic functional requirements to protect flooring systems from external moisture.

FEATURES

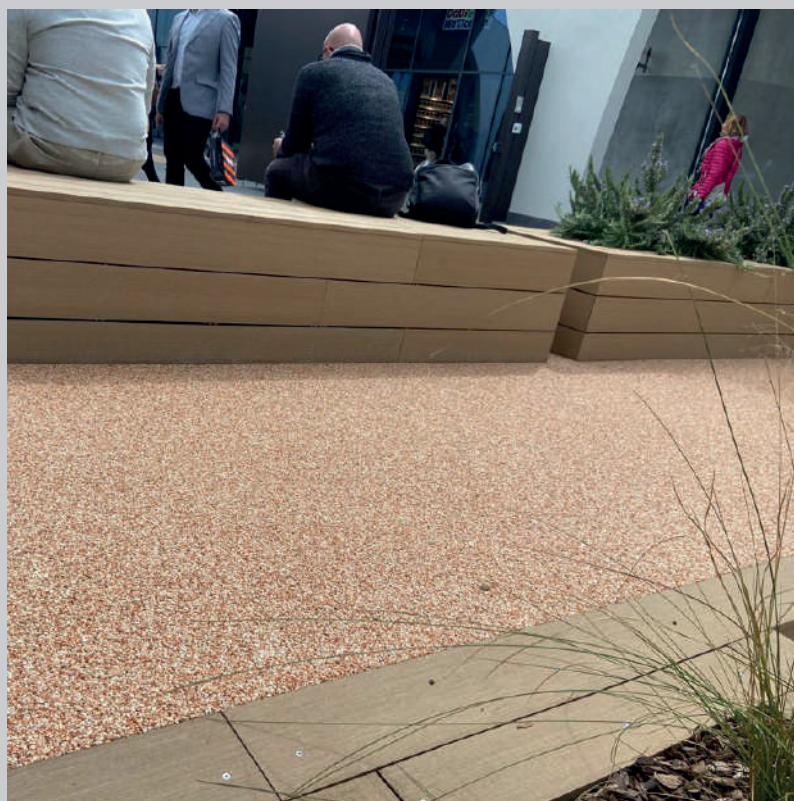
- Wear resistance
- Sound absorbing. Absorption of noise or shock from falling objects
- Low maintenance, easy cleaning and, sanitizing
- AST/ESD coatings, suitable for environments where protection from electrostatic discharge is required
- Safe for the environment and people
- Dustproof
- Unaltered over time
- Decorative floor coverings with matt or glossy finish, with natural effect, spatulate, cloudy, Venetian terrazzo type.

OFFICE RENOVATION

- > OFFICES, OPEN SPACES
- > BUSINESS CENTRES
- > MEETING ROOMS
- > HALLS & RECEPTION
- > RELAX & COMMON AREAS
- > TECHNICAL ROOMS
- > ARCHIVE ROOMS
- > STAFF CANTEENS
- > CHANGING ROOMS
- > TOILETS

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TO DREAM - Urban District



Draining



Frost
Resistant



Non-slip



Eco-Friendly



Easy
to clean

PRIMA DRAIN STONE®

OUTDOOR

For the long lasting eco-friendly company redevelopment of outdoor pedestrian or vehicular light areas, Prima Drain Stone® is an outdoor flooring system totally permeable and environmentally friendly, complies to the hydrological cycle.

It is essential to select certified materials that help to improve outdoor areas by ensuring drainage or rainwater filtering and avoiding the creation of new impermeable surfaces (such as asphalt and cement) and/or unstable ones (such as self-locking paving stones and loose gravel).

Composed of natural aggregates mainly from production waste, with different grain sizes, kinds and colors, blended with a special eco-friendly binder.

ACCESSORIES: Tactile paths for the visually impaired

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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 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.



Alleanza Salute
Campogalliano (MO)



Mavex SA
Lamone (Switzerland)



Schering
Milano



SOME OF
OUR CUSTOMERS

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



PARTNERS

