



MECHANICAL MANUFACTURING



Special solutions for
industrial flooring

mpmsrl.com



THE DUROGLASS SYSTEMS

represent excellence in industrial flooring, with high-level performance and durability proven by a solid reputation gained over the course of seventy years.



MPM systems for the industry

DUROGLASS systems are synonymous with innovation and functionality.

The extraordinary characteristics of the line, from the resistance to wear to resistance to thermal shocks, make it the ideal choice for high-performance industrial floors.

DUROGLASS is designed to exceed expectations in every industrial field, guaranteeing durability, unparalleled mechanical and chemical resistance, as well as antibacterial properties for safe and hygienic environments.

DUROGLASS systems have established a benchmark for industrial floors and have been chosen by the mechanical, electronic, chemical and pharmaceutical industries for their reliability and durability. The quick and practical installation meets the modern needs of the industry, ensuring safety, hygiene and environmental efficiency.

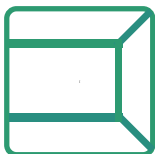
Fields of use



LABORATORI



LOGISTICS
AND WAREHOUSES



CLEAN
ROOMS



ATEX ENVIRONMENTS



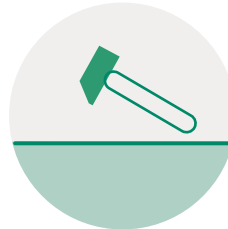
PRODUCTION AREAS



WASTEWATER AND
FIRE-FIGHTING TANKS

Properties and characteristics of **DUROGLASS** systems

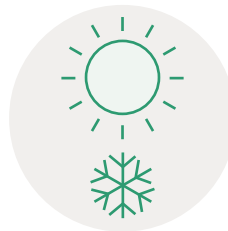
MECHANICAL
RESISTANCE



CHEMICAL
RESISTANCE



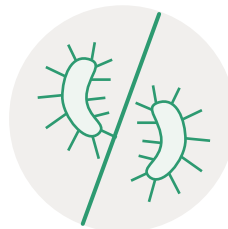
RESISTANCE TO
THERMAL SHOCKS



NON-SLIP
/ SAFE



ANTIBACTERIAL
PROPERTIES



LONG-LASTING





Certifications

National and international regulations regarding safety and hygiene in industrial environments require strict standards for floors.

MPM offers high-performance certified solutions for every sector, with qualified and certified solutions, such as the DUROGLASS line, ideal for diversified industries such as mechanical and manufacturing.

These floors ensure compliance with all safety and health requirements.



CE MARKING 1504-2

Products and systems for the protection and repair of concrete structures



CE MARKING 13813

Screeds and materials for screeds, properties and requirements



LEED

Design and build a building according to eco-sustainability criteria



ESD PROTECTION

compliance with IEC 61340-5-1



HACCP

Protocol to protect the health and safety of the workplace



B fl – s1

Reaction-to-fire requirements for construction products



NON-SLIP

Surface roughness requirements for the safety of people



SEVERE CHEMICAL ATTACK

Resistance to aggressive chemicals according to UNI EN 13529



Mechanical Resistance and Durability

A **DUROGLASS** floor represents a valuable investment, essential for hygiene and safety. Its durability is guaranteed by carefully selected raw materials and proven chemical resistance.

DUROGLASS systems demonstrate high resistance to wear, mechanical stresses, and the continuous passage of forklifts and trolleys. These characteristics, combined with the ability to withstand severe chemical attacks and washing with boiling water, allow **DUROGLASS** coatings to guarantee a long life over time.

Chemical Resistance

Chemical aggression on floors can cause damage such as discoloration, staining, and loss of strength. **DUROGLASS** systems offer excellent resistance to aggressive chemicals such as oils, acids and solvents, ideal for industrial sectors exposed to hazardous liquids.

DUROGLASS
system
some chemical
resistances

AGGRESSIVE	%	°C
ETHYL ACETATE	100%	20°C
LACTIC ACID	30%	60°C
HYDROCHLORIC ACID	10%	60°C
CITRIC ACID	50%	20°C
ACETIC ACID	50%	60°C
OLEIC ACID	100%	20°C
SODIUM HYDROXIDE	50%	60°C
NITRIC ACID	30%	20°C
PHOSPHORIC ACID	50%	20°C
SULPHURIC ACID	50%	60°C



Thermal Resistance

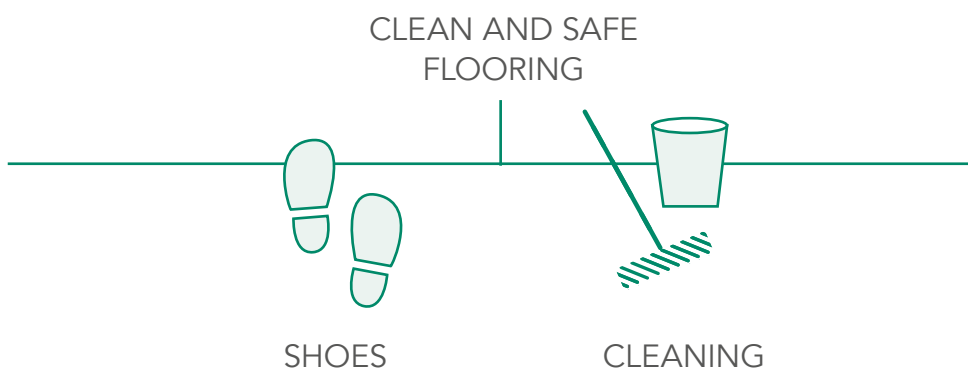
Thanks to their excellent thermal resistance, **DUROGLASS** floorings offer an ideal solution for industrial environments with extreme temperature variations. These floors withstand thermal shocks from -40°C to $+150^{\circ}\text{C}$, guaranteeing stability and integrity even in the most demanding conditions.

In addition, **DUROGLASS** floors, with different thickness options, offer superior resistance to spillage of materials at high temperatures and extreme thermal shock conditions.

Slip resistance and safety

In the dynamic world of industry, safety is a priority, with the protection of people and the environment at the heart of every action. **DUROGLASS** floorings offer special finishes with different roughness levels, and meet strict requirements, ensuring safety and reliability.

With a focus on safety and quality, **DUROGLASS** products create functional and safe working environments, combining functionality with structural integrity, to the benefit of the user and the surrounding environment.





Laying speed

National and international regulations regarding safety and hygiene in industrial environments require strict standards for floors.

MPM offers high-performance certified solutions for various sectors, with qualified and certified solutions, such as the **DUROGLASS** line, ideal for diversified industries such as chemical and pharmaceutical.

These floors ensure compliance with all safety and health requirements.





Atex Environments

Some companies have Atex risk areas, i.e. environments where an explosion can occur. In order to prevent hazards, technical measures appropriate to the nature of the activity must be taken.

DUROGLASS systems, thanks to the B fl-s1 fire certification and the CEI 61340 certification for protection against ESD events, are a valid solution for flooring in hazardous environments.



Hygiene and cleaning

The products of the **DUROGLASS** line are specifically designed to guarantee high standards of hygiene and safety. Their chemical-physical characteristics allow washing with high temperature water and the use of specific detergents and disinfectants.

DUROGLASS floors contribute to general hygiene: compact and waterproof, they facilitate the continuous observance of hygienic standards and prevent bacterial proliferation, making flooring suitable for a wide range of industrial activities.



Quality and sustainability

Building sustainability assessment criteria are becoming increasingly important in the field of construction. The LEED (Leadership in Energy & Environmental Design) rating system for eco-friendly buildings introduced a process to assess whether a project was conceived and implemented in a sustainable manner. MPM offers innovative and eco-sustainable floors, such as the **DUROGLASS** line, reducing emissions and promoting environmental health.



Their extended lifespan reduces waste, supporting sustainable resource management. Choosing **DUROGLASS** means opting for superior performance and responsible choices for the planet, confirming MPM's commitment to a better future.



Systems for industry

Consolidating and Film-forming agents

MPM FLOOR 01

Transparent waterborne epoxy dustproofing system

MPM FLOOR 02

Coloured waterborne epoxy dustproofing system

MPM FLOOR 03

Coloured solvent-based polyurethane paint system

High Thickness and Multilayer

MPM FLOOR 04

Antacid epoxy coating system

MPM FLOOR 05

Multilayer waterborne coating system

MPM FLOOR 06

Multilayer epoxy coating system

Self-levelling

MPM FLOOR 07

Self-levelling epoxy coating system

MPM FLOOR 08

Self-levelling conductive epoxy coating system

MPM FLOOR 09

Self-levelling polyurethane coating system

Epoxy screed

MPM FLOOR 10

Epoxy screed coating system

Polyurethane Concrete

MPM FLOOR 11

Smooth self-levelling polyurethane concrete system 3-6mm

MPM FLOOR 12

Rough self-levelling polyurethane concrete system 6-9mm

MPM FLOOR 13

Polyurethane concrete screed system 6-12mm

Outdoor Coating

MPM FLOOR 14

Waterborne acrylic coating system



Global support

The ideal partner for your work

For 70 years MPM has been working alongside companies, designers and industries to offer certified and durable solutions.

The central technical office and the widespread network of professionals are able to offer assistance and support in any situation.





Materiali Protettivi Milano
The ideal partner for your work.

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