



Poliurea Systems

MANUFACTURER OF POLYUREAS AND RESINS FOR FLOORS AND COATINGS



Poliurea Systems is a company located in the community of Cantabria (Spain), with facilities of approximately 10,000 square meters.

The activity of **Poliurea Systems** is dedicated to the formulation, manufacture, distribution and technical and practical advice of liquid waterproofing systems, mainly based on polyureas and industrial protection finishes on continuous resin pavements.

Our business model, based on development, quality and service, allows us to operate according to the most demanding standards in the sector, making us its leading supplier, both in local and international markets, where the demand for our products is growing steadily. constant and sustained.

Our objective is innovation not only in the product, but also in the relationship with the client, to whom we offer solutions and personalized attention.





What do we do?

At **Poliurea Systems** we manufacture products and develop our own systems for waterproofing, continuous flooring, and thermal and acoustic insulation.

Our wide range of products give our clients a very high quality that is continuously controlled and that is achieved thanks to the inclusion of new technologies and the advances that are emerging in the sector.

In addition, at **Poliurea Systems** we care about the environment. For this reason, we have created a classroom for theoretical and practical training for applicators and we have made investments in environmental improvement, risk prevention and emergency.

Manufacturing and distribution

Poliurea Sistemas manufactures and imports products to paint, coat, protect and improve any type of surface.

Own manufacturing products:

Complete range of Polyureas, which provide solutions for all types of coatings with specific needs.

Colorless or colored primers.

Pavement paints.

Epoxy resins.

acrylics

Self leveling.

Repair and hydraulic mortars.

Elastic epoxy sealants for expansion and work joints.

Colorless or colored waterproofing.

Soil maintenance products.

Polyurethanes for construction, sealing, roofing, parking, interior and exterior floors, membranes. etc.

Colored and complementary aggregates.

Why choose us?

own laboratory

Poliurea Systems has two testing laboratories (mechanical and chemical), which are equipped with the means that society is currently demanding, as well as the CTE (Technical Building Code).

In them, compression, flexion, traction (elongation), abrasion, hardness, viscosity tests, and any other related to resin pavements can be carried out. Likewise, the classification of the reaction to fire of the most important products currently marketed by Poliurea Systems has been obtained.

Showroom

In the SHOWROOM, Poliurea Systems exhibits for its clients the SYSTEMS that the market is currently demanding. The objective is that the client sees before the application of the system, the characteristics of the same: colors, finishes, resistances and possible alternatives.

Services

These are some of the services that **Poliurea Systems** offers to all its clients.

Personalized advice:

Our professional service will offer you all kinds of information and guidance to indicate the system that best suits your specific needs depending on your industry and the activity of your company.

Technical service:

Our specialized technical service will inform and advise you on the most appropriate solution to your problem, from solutions to slipping problems, dust formation, soil degradation, leaks, oxidation, chemical attacks, etc.

custom systems

At **Poliurea Systems** we analyze your specific needs to design systems tailored to your needs. To create the right system for each particular case we evaluate.

1

soil type

Since the specific needs of industrial floors are different from decorative ones.

2

soil conditions

Since the soil moisture conditions will mark the most suitable product.

3

place of application

Since the specific needs of interior floors are different from exterior ones.

4

Application conditions

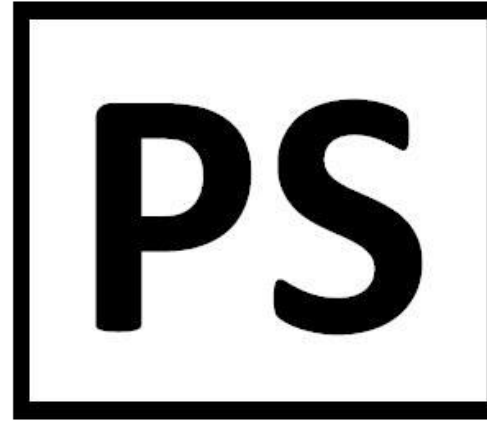
Since the temperature and application time will mark the most suitable product.

After years of experience in the sector, at **Poliurea Systems** we have created our own application methods which we call PS-Systems, they are application techniques for our products, based on an application method and process, which through the different steps of each one of them, an impeccable final result is obtained, which offers total guarantees of quality, being totally competitive and competent.

Sistemas-PS

Poliurea Systems has its own systems for:

- Waterproofing in new construction.
- Surface tightness.
- Rehabilitation.
- Food flooring
- Agro-Food Pavements
- freezing chambers
- Corridor leveling. high planimetry
- pavement regulation
- Anticorrosive flooring
- conductive pavements
- Car parks, car parks and garages
- Pavement marking
- Walls
- Ramps, loading and unloading docks
- asphalt pavements
- sports flooring
- Photoluminescent flooring.
- Thermal insulation.

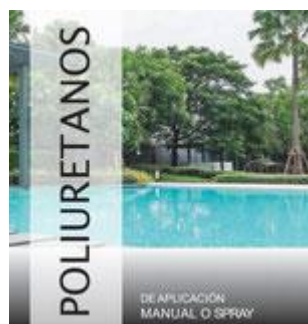


[Waterproofing](#)
[Floors](#)
[Isolation](#)



Product

Quality at **Poliurea Systems** is a commitment and an obligation that is put into daily practice in the design, formulation and manufacturing of all its products, and which implies the continuous improvement of human and technological resources. All processes are subjected to rigorous quality processes. From the computerized management with innovative control cameras, the professionals of **Poliurea Systems** ensure the best products. Proof of this is that **Poliurea Systems** today occupies a leadership position in the segments in which it operates and has become the first choice of a huge number of customers. We are committed to the ENVIRONMENT, our commitment to a commitment and respect for the Environment is one of our pillars that we extend to our products, activities and services. We are committed to ensuring that this policy is understood, implemented, disseminated and executed. The goal is for this respect to be recognized as a distinctive and strategic value.



POLYUREA

It is the innovative solution in waterproofing, protection and sealing of surfaces, It can be applied both in new construction projects and in rehabilitation, Polyurea is a synthetic polymer that is obtained from the reaction of an Isocyanate with a Polyamine. In some ways it is a condensation polymerization reaction similar to that of polyurethane, except that in this case the bond formed corresponds to the urea bond, which is why it is called Polyurea.

REFERENCES:

[PS-007](#)

[PS-008](#)

[PS-010](#)

[PS-100.T](#)

[PS-100.N](#)

- ✓ Polyurea is a sprayable liquid membrane, 100% solid
- ✓ Polyurea is a waterproofing membrane, formed by the mixture of two components, Polyol - Isocyanate.
- ✓ The HOT polyurea curing process lasts 3-5 seconds, after which a solid, continuous membrane is formed, with no joints or overlaps.



COLD POLYUREA

The COLD polyurea curing process lasts between 2 and 3 hours, after which a continuous, solid membrane is formed, without joints or overlaps.

Some of the main advantages offered by the application of Polyurea to waterproof and protect surfaces consists of its highly elastic final finish, great mechanical resistance, great resistance to abrasion and also to other chemical products.

REFERENCES:

[PS-300.E](#)

[PS-300.D](#)

[PS-300.S](#)

[PS-300.EPS](#)

[PS-1000](#)

[PS-100.E](#)

[PS-100.D](#)

- ✓ In addition, Polyurea is an effective waterproofing solution for any job, because it can adhere to all surfaces, no matter how irregular they may be.



POLYURETHANES

Polyurethane resins are characterized by being two-component products, mainly polyol and isocyanate. The mixture of both products produces a hardening reaction that is usually very fast and generates a high temperature (exotherm).

REFERENCES:

[Pavifer-400](#)

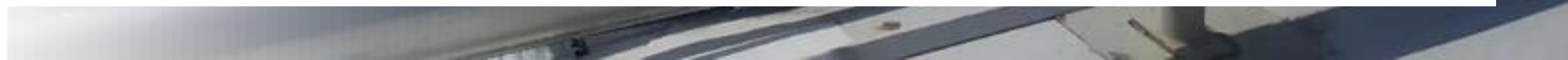
[Pavifer-430](#)

[Pavifer-450](#)

[Pavifer-400 Flex](#)



- ✓ The thermal insulation capacity of polyurethane is due to the gas trapped in the closed cells of the polymer framework.
- ✓ A 25 mm thick polyurethane can thermally insulate an internal environment that remains at 20 °C on one side, while on the outer side of the face it can fluctuate -5 °C.



EPOXY

Epoxy resin "is a thermosetting polymer that hardens when mixed with a catalyst or hardener. It constitutes one of the most important classes of thermosets and is widely used in composite materials, reinforced with fibers, adhesives and surface coatings, among other applications.

REFERENCES:

[Pavifer-310](#)

[Pavifer-311](#)

[Pavifer-340](#)

[Pavifer-320](#)

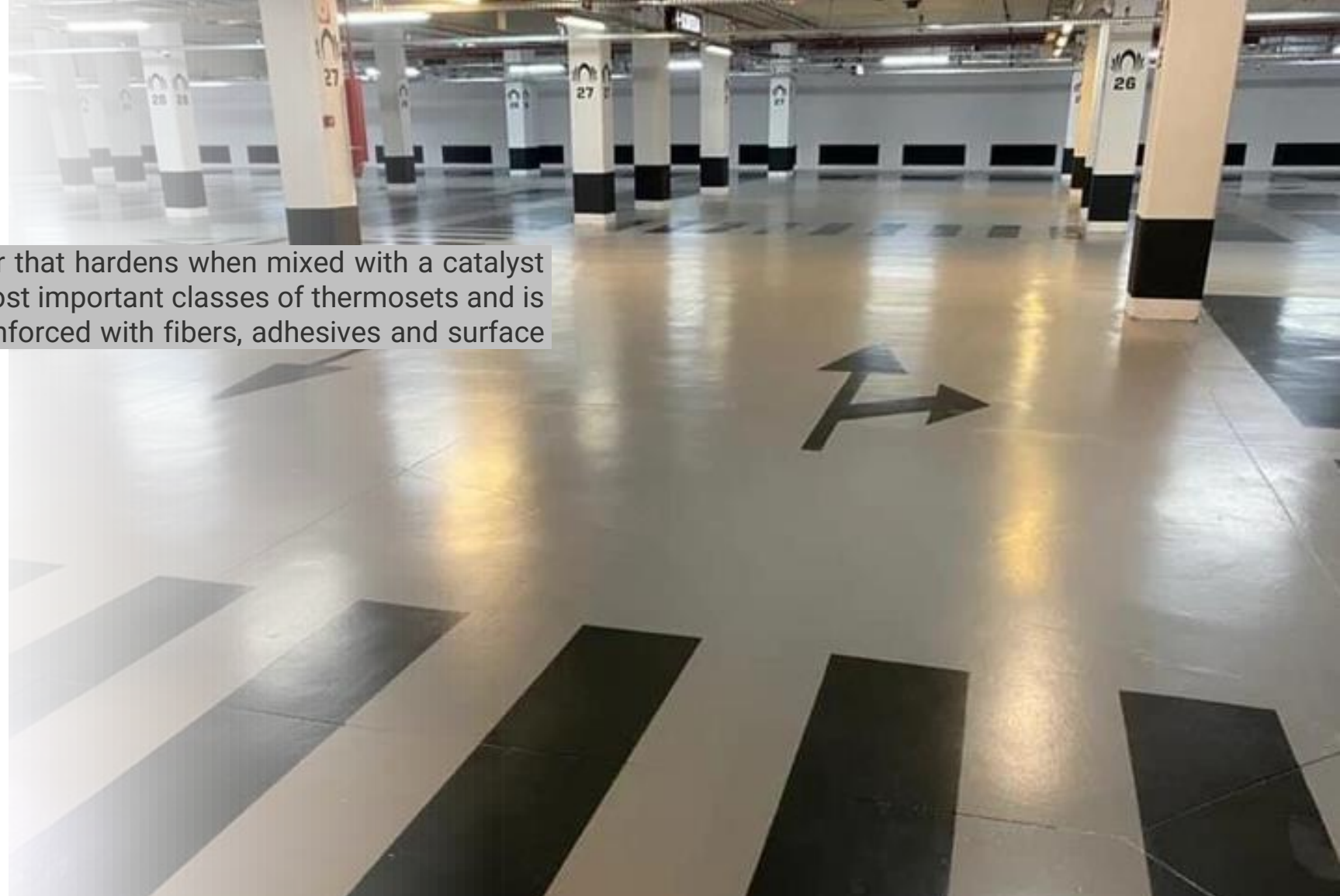
[Pavifer-325](#)

[Pavifer-330](#)

[Pavifer-335](#)

[Pavifer-345](#)

- ✓ The advantages of epoxy resin are due to the fact that "they are capable of reacting with hardeners or curing agents to generate highly crosslinked structures, with excellent resistance to acids, bases and solvents with good mechanical properties, so that they are classified within the thermosetting polymers.
- ✓ This is explained by the Applied Chemistry Research Center, adding that these resins have greater resistance "to solvents, gas permeation and extreme temperatures".



PRIMERS

When coating a surface with resins, the previous preparation process is very important to obtain a good result. In addition to cleaning to remove traces of dust and other substances, it is very important to study the nature of the surface to find out if it is necessary to apply a primer and what type.

The primer is the first material to be applied to the surface to obtain a good bonding bridge with the substrate and thus ensure the adherence of the entire system.

REFERENCES:

[PS Primer](#)

[Pavifer-303](#)

[Pavifer-305](#)

[Pavifer-313](#)

[Fosfato Zinc](#)

- ✓ Primers for the consolidation of the support.
- ✓ Primers as a bridge between the support and the system to be applied on it.
- ✓ The primers are applied on the vast majority of supports, after studying them.



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