



Idsun

Idsun transforming urban environments into safe and NO_x-free spaces.

RNC



We are in a time of change when society demands greater specialization in products. Not only should they be products that are of limited use, they should be made with sustainable materials, comply with regulations, and also provide a differential value as a whole.

Society is increasingly aware that we must take care of the environment.

We must be an active part of the fight against pollution, the good use of raw materials, recycling in an appropriate manner, promoting good practices in environmental matters.

Companies are the mirror of society and our image is the reflection of our actions.



The logo for IDSUN, featuring the letters 'IDSUN' in a bold, orange, sans-serif font with a slight shadow effect.

In this path for the conservation of the planet, one of the biggest environmental problems we are facing is the air pollution of the cities. The combustion of both motor vehicles and industry generates the dreaded Nitrous Oxides (NOx) NOx is the sum of NO+NO₂, these gases generate serious health problems aggravating respiratory, ocular and cerebrovascular diseases.

In this search for pollution-free environments, safe for children, free of bacteria, spaces where they can play, do sports, walk or other activities are performed in eco-responsible places, our company has committed to maintaining the carbon footprint, respecting the environment and taking the decision to concentrate efforts on it with a strong investment in R & D in sustainable development.
The result of this investment is IDSUN.



Idsun is a high performance recycled rubber granulate (SBR plus), armoured with polyurethane resin and pigments. In its composition, a series of photocatalytic agents are introduced that contribute to the decontamination of NOx present in our cities.

Its special patented and tested design has a special treatment in its outermost layers that enhances the nano-catalysts of the surface, achieving high levels of conversion and abatement of NOx gases, continuously cleaning the air that passes through it in the presence of sunlight or artificial light with UV spectrum.



Idsun

Eco-efficient product that provides great value, reducing the impact on the environment. Coming from a circular economy, it contributes to the reduction of CO2 in the atmosphere by applying more effective and efficient production processes. These processes have an impact on minimizing the carbon footprint. The reduction of Co2 in the atmosphere together with the processes increasingly focused on reducing the environmental impact have an impact on minimizing the carbon footprint of our company.

The implementation of the continuous pavement with the agent Idsun would generate in the cities the fulfillment of several goals of the objectives 11 and 13 of the Agenda 2030 on the sustainable development approved by the UN

11 CIUDADES Y
COMUNIDADES
SOSTENIBLES



By 2030, reduce the negative environmental impact per capita of cities, including by paying special attention to air quality and the management of municipal and other waste.

13 ACCIÓN
POR EL CLIMA



Given the current concentration and continued emissions of greenhouse gases, the global temperature increase by the end of the century is likely to exceed 1.5 degrees Celsius compared to the period 1850-1900 in all but one scenario



**OBJETIVOS
DE DESARROLLO
SOSTENIBLE**

Thanks to major institutional and technological changes, there will be a greater opportunity than ever before for global warming not to exceed this threshold!

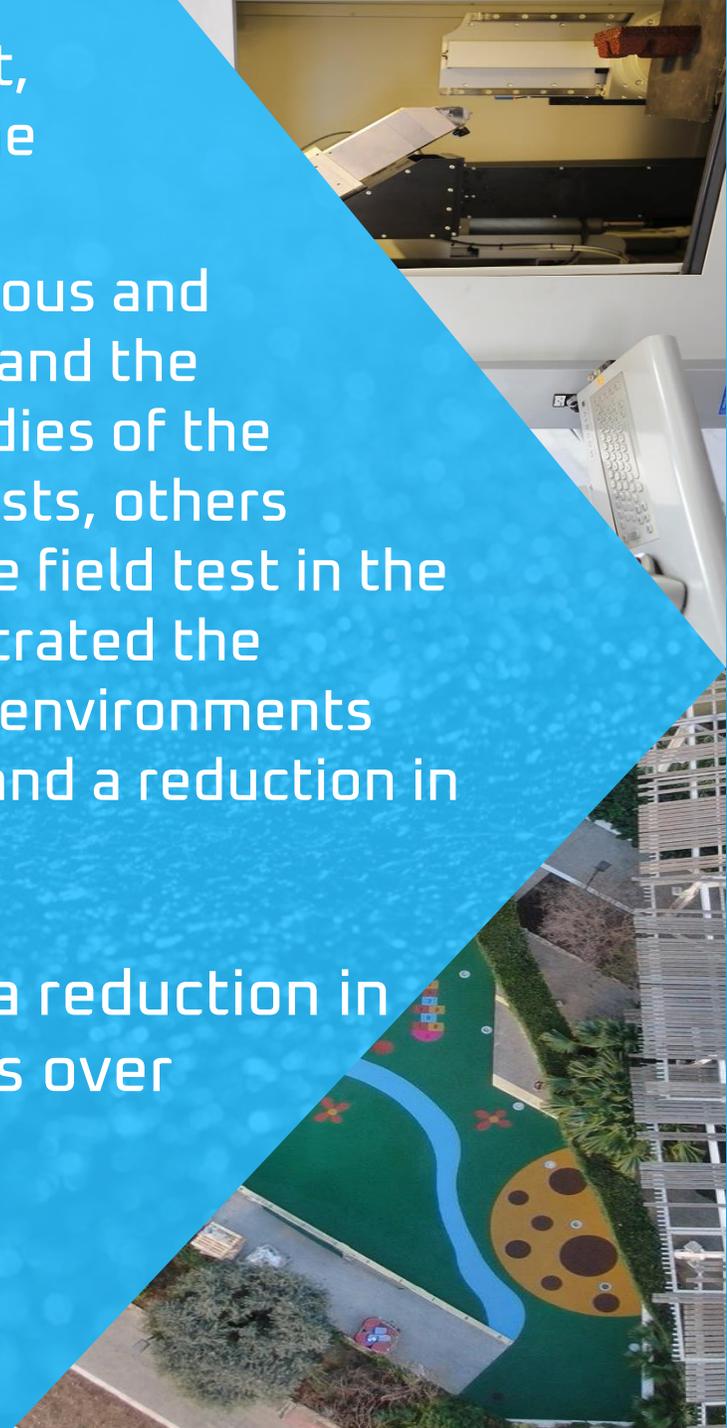


Within the framework of the Oasis project, several tests were carried out to check the efficiency and effectiveness of Idsun.

The tests were carried out at the prestigious and referenced German institute Fraunhofer and the accredited Centre for Environmental Studies of the Mediterranean (CEAM). The laboratory tests, others carried out in the EUPHORE dome and the field test in the garden of Santa Isabel in Murcia demonstrated the effectiveness of the product in different environments with NOx reduction values close to 20% and a reduction in the level of particles of 81%.

These values would be equivalent to a reduction in the pollution generated by 25 vehicles over period of one year. *

* Taking as a reference a playground of 200 m²



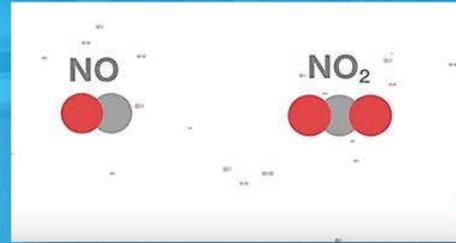


Idsun besides being an eco-efficient product is a type of floor that cushions impacts from falls and absorbs noise and vibrations. Its composition materials make it a type of non-slip floor even after rain. It adapts to any surface and maintains its characteristics for much longer. It is a low-maintenance type of floor that is very easy to clean.

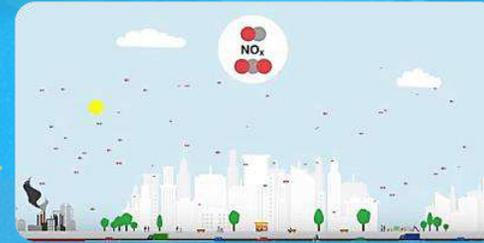
As we have said before, our products perform a decontamination action of NOx in an approximate degree of 20% and elimination of VOC type particles of around 80%, anti-bacterial function, product that comes from circular economy, possibility of attractive designs

The continuous rubber floor can be used in many different places such as sports centers, swimming pool exteriors, nurseries, old people's homes, gymnasium changing rooms...
Solutions for all types of surfaces and spaces.

How our product performs its function



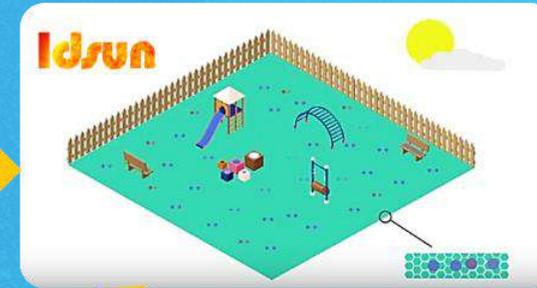
Traffic and industry generate air pollutants



These contaminants are transformed into NO_x, a substance that is harmful to health.



The installation of continuous IDSUN safety flooring in urban environments mitigates the effect of these gases in the area.



IDSUN in the presence of light transforms NO_x into harmless nitrates creating an Eco healthy zone.

The air purification efficiency of IDSUN in 1 m² is equivalent to 20% of the gas emission of a motor vehicle during one year.



Properties of IDSUN



Anti abrasión



Prevent fungal growth (anti-bacterial)



Reducing the carbon footprint



Decontaminate Nitrogen Oxides (NOx)



Coming from circular economy



Installed by approved staff



Decreasing surface temperature



Eliminates Volatile Organic Compounds (VOCs)

accreditations

