



A more sustainable
future is possible
thanks to this
innovation



"Converting carbon dioxide (CO₂) and nitrogen oxides (NO_x) into environmentally harmless minerals"

At present, there are places with air pollution as high as 700 ppm of CO₂ and NO_x, in urban areas where the consumption of fossil products releases greenhouse gases into the environment.

PrimLab aims to create products that are beneficial to health and the environment by introducing **CO₂pure**, an innovative patented compound to convert carbon dioxide (CO₂) and nitrogen oxides (NO_x) through their mineralization into harmless elements.

The intelligent nanoparticle product is an additive for the manufacture of roads, concrete, paints, dyes for clothing, resins and elastic polymers

(rubber and rubber-like materials), for air pollution facial masks and for all types of coatings.

Paints and rubber / rubber like materials treated with **CO₂pure** are more durable and protect against harmful UV rays during sun exposure and environmental changes.

The processes of chemical carbonization and of photocatalysis which eliminate carbon dioxide (CO₂) and environmental NO_x will remain active for as long as the treated material remains exposed to the contaminated environment and becomes harmless to health.

An effective combination against pollution

- ◀ High greenhouse gas mineralization capacity
- ◀ Easy application on common materials (paints, tires, etc.)
- ◀ Does not alter the materials properties
- ◀ Contributes to a healthier environment for humans
- ◀ Competitive pricing without an increase in the base product price



Purifies the environment
by eliminating CO₂
and NO_x



Wide range of
applications



100% natural mineral



Innovative and
profitable



Flame resistant

TYPES OF APPLICATIONS to protect the environment



INTERIOR AND
EXTERIOR PAINTS



TEXTILES



ROADS AND
ASPHALTS



COATINGS



RUBBER AND
RUBBER-LIKE
MATERIALS



ROAD SIGNS

The potential market for the **CO₂pure** patent is very wide, since the paint is applicable to facades of buildings, interiors, roads, road signs, vehicles, coatings, dyes (such as clothing), not to mention the application in tyres, shoe soles, pipes, etc. Every day there is greater awareness of the dan-

gers of greenhouse gases by both the population and the government level. Surveys show that the consumer is willing to pay up to an additional 30% for an organic product, thus making **CO₂pure** a great opportunity both economically and prestigiously for any company in the sector.

EXAMPLE OF CO₂pure EFFECTIVENESS:

FOOTBALL STADIUM

10.000 m² painted with **CO₂pure**



ELIMINATION OF CO₂ y NO_x:

2,3 Tons/año

immediate effect

10.000 m² re-populated with trees (400 trees)



ELIMINATION OF CO₂:

2 Tons/año

Trees ≥ 10 years

If we consider that an area of 10.000 m² (a football field) paved or painted with **CO₂pure** and a contamination of 700 ppm of CO₂ / NO_x, (equivalent to 2575 mg / m³), then 2,3 TN / year of CO₂ and NO_x could be mineralized or eliminated with immediate effect.

If we applied **CO₂pure** in paints for facades, concrete and asphalt constructions in a city like Madrid with a surface area of 605 km² and a contamination of 700 ppm, then approximately 122.815 TN / year would be mineralized harmlessly into the environment with immediate effect.

CO₂pure eliminates CO₂ and NO_x contamination, a major advantage over trees, which can not be planted everywhere and require more than 10 years to mature.



CO₂Pure is a product of PRIMLAB GLOBAL S.L., a company dedicated to the research and development of active ingredients beneficial to health and the environment.

Avda. Joan Carles I, nº 10 • 03750 Pedreguer • (Alicante) Spain • info@primlab.com

www.primlab.com

