

## PHOTOCATALYTIC TECHNOLOGY

Acrylic paint for indoor applications









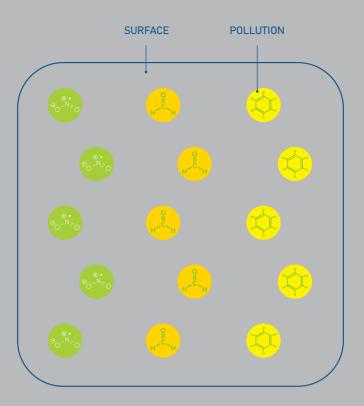
High pollution in high traffic density road tunnels.

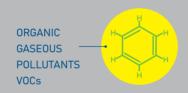


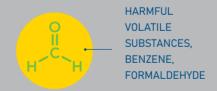
Pollution in traffic tunnels is often higher due to poor air circulation.

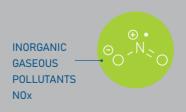
The energy cost for tunnel lighting, is increased due to limited visibility, caused by the increased pollution.

Long paint
maintenance cycle in high
traffic areas such as road
tunnels, underground
stations and indoor
parking spaces



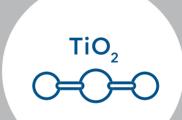








In collaboration
with the start-up company
PCN Materials spin-off the Foundation
for Research and Technology –
Hellas (FORTH), Vitex created an
innovative depolluting
and self-cleaning paint
that reduces indoor pollutants.



An innovative
wet paint with additive,
an active modified titania
photocatalyst, for indoor
depollution and improved
quality of life.











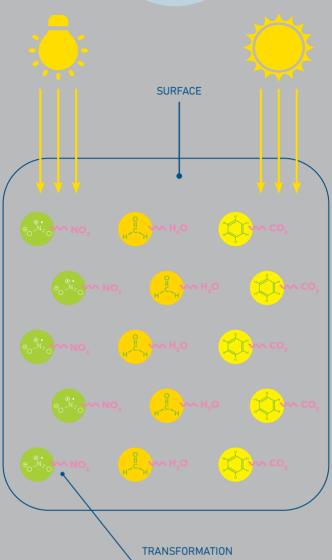
PACKAGING White 750ml, 3L, 10L



Based on
the unique depollution
and self-cleaning
properties of the
established photocatalysis
technology, painted
surfaces immidiately
transform into active air
cleaning agents.

Photocatalytic NO removal rate under visible light of **55.3%** in lab tests and of **61.7%** in demo houses which is equivalent to cleaning 9000 m³ of air per hour for every 1m² of plaster coating.

Results of the certified laboratory of ENVIRONMENTAL RESEARCH of the "Demokritos" (EN 16980-1-2021)



INTO HARMLESS
NITRATE SALTS
THROUGH LIGHT



## With visible light,

i.e. diffused daylight or safe common indoor-lighting sources including LED lamps without the requirement of UV radiation, it rids the air of common inorganic and organic gaseous pollutants such as NOx and VOCs, and harmful substances such as Formaldehyde, toluene and unpleasant odors.





## Self-cleaning paint / Protective coating.

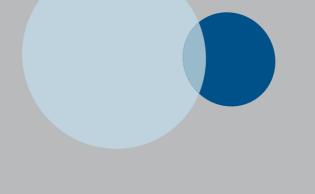
It maintains its whiteness and dramatically reduces the need for maintenance, cleaning and lighting





>80%

Improving indoor air quality in Urban environments

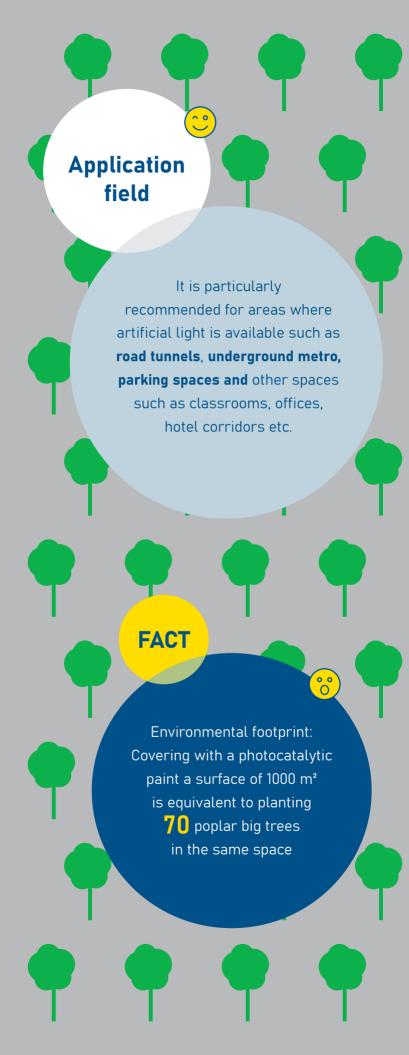


3

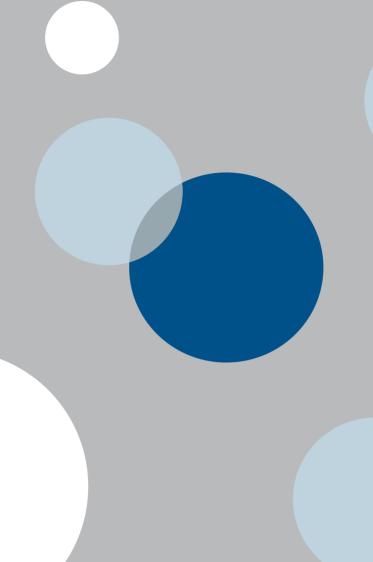
## **Energy saving**due to improved indoor visibility

4

Activation
mechanism with both
diffused day light and /
or visible night light







TECHNICAL SUPPORT +30.210.5589.400 customercare@vitex.gr









vitex.gr/en

