



**HARD
CHRIS**



PRODUKT Z ATESTEM



TC NOX

TC NOx - Innovative solution for global warming and fight with smog

Neglected for many years, nitrous oxide emissions are now coming under scrutiny by regulators since nitrous oxide is a potent greenhouse gas some 310 times stronger than carbon dioxide and is implicated in the destruction of the ozone layer and causing climate disaster, e.g. EL Nino, photochemical haze weather. For these reasons the elimination of NOx from automobile exhaust and industrial activities can make an

important contribution to the protection of the earth's climate. Our nano photocatalyst technology now provides a new solution to remove the NOx in the atmosphere economically and environmentally friendly. Due to the nano photocatalytic coating developed, photocatalyst can not only be used to produce catalytic filter for NOx, but also to be applied on road and its auxiliary facilities to react with the NOx in atmosphere 24/7. The photocatalytic reaction can also destroy various VOCs from car exhaust which might cause photochemical pollution, the PM2.5 reading will be decreased accordingly. Our nano coating will also save a lot for the public maintenance cost of the road and its auxiliary facilities, i.e. sound barrier, crash barrier, because it combines self-cleaning, anti-mildew features together with the NOx removal function, which makes the NOx removal cost almost come to zero. The maintenance cost decreasing by applying the coating for self-cleaning and anti-mildew purposes might be enough to cover the application cost already, so in fact governments don't need pay extra cost for the NOx removal function anymore. These facts make nano photocatalytic coating technology an ideal and almost free solution for the implementation of a carbon trading project under the flexible mechanisms of the Kyoto Protocol.

Next generation cleaning solution

TC NOx is a nano coating, self-cleaning, innovative combination of super-hydrophilic, photocatalytic and anti-static features. Just simply applying the nano coating on the building's surface will bring dreaming self-cleaning function to the surface, without changing colors and materials. Furthermore, the product can be applied on road and road side to provide the self-cleaning & air purification function (NOx decomposing). Our photocatalytic nano coating can keep the building or other construction structures in a very clean view and reduce the cleaning and maintenance cost. It is an amazing breakthrough to the historical building protection field, we can prevent historical building from chemical and high pressuring washing. The water and chemical cleaning agent consumption will be reduced and finally make a better world. The buildings can clean itself just by sun and rain.

Benefits

- ✓ Keep the building in clean view
- ✓ Protect the surface from dust, acid rain and air pollutant damage
- ✓ Purify the air pollutant near and on the surface (e.g. car exhausts NOx, Formaldehyde, Benzene, VOCs)
- ✓ Restrain the dust electrostatic sticking
- ✓ Reduce the energy consumption for cooling the building in summer
- ✓ Restrain mildew or alga growing
- ✓ Make the surface without water stain after raining
- ✓ Kill the bacteria and virus on the surface and in the air near the coated building
- ✓ Absorb the UV from sun and then protect the surface from UV damage
- ✓ Decompose the organic pollutant on the surface (e.g. oil in air, light graffiti)

Objective

- ✓ Building self cleaning, protection and energy saving
- ✓ Road self-cleaning, protection
- ✓ Industrial facilities self-cleaning, protection
- ✓ Car exhausts purification
- ✓ Solar panel self-cleaning

Features

- ✓ Air purification and NOx decomposing
- ✓ Super hydrophilicity
- ✓ Organic pollutant decomposition
- ✓ Anti-mildew
- ✓ Anti-UV
- ✓ Anti-bacteria and anti-viral
- ✓ Antistatic
- ✓ Energy saving