



**CONSTRUCTION &  
ARCHITECTURE**

**建筑工程应用**

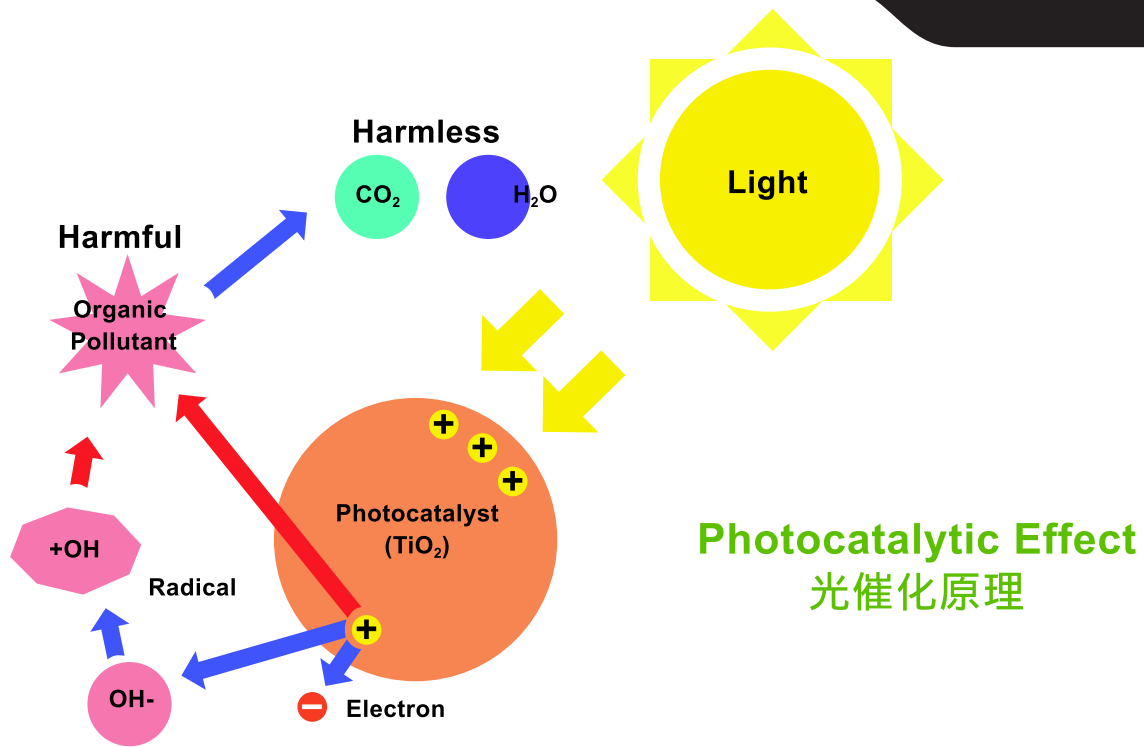
**NANO ZONE**  
PROTECTING PERFORMANCE



## How Photocatalyst Works 光催化原理

TiO<sub>2</sub> nano particles in NZ-TDX decomposes organic dirt, VOC, NOx, etc on substrate surfaces into carbon-dioxide and water. The super hydrophilic property of the coated surfaces allows rain water to wash away the dirt without any use of chemical detergents, thus protecting the environment and reducing manual labour.

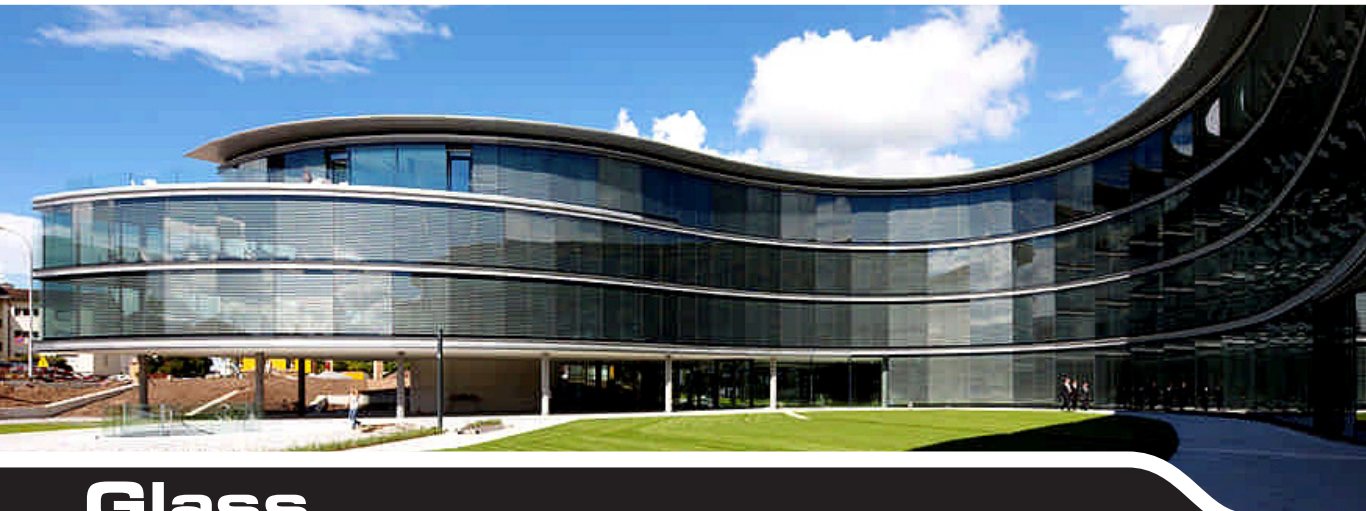
NZ-TDX 涂料内之二氧化钛 (TiO<sub>2</sub>) 纳米分子利用太阳光能量，分解物料上的有机污迹，转化成二氧化碳和水分子。物料表面的超亲水性令雨水/清水形成超薄水帘将污迹带走，故物料无需任何化学清洁剂，达到保护环境和节省人手的目标。



WORK OF  
NATURE  
MAINTENANCE  
FREE

- Long lasting effect of self-cleaning
- Eliminates risk and labor cost of manual maintenance
- Resists acid rain and protect substrates
- Anti-mould / bacteria
- Purifies Air

- 自洁效力长时间持续
- 节省高风险之人手清洁工序
- 抵抗酸雨，保护物料
- 防霉、防菌
- 空气净化



## Characteristics 特性

- Highly transparent coating  
无色超透明涂层
- No more water stain  
不留雨痕、水迹
- Super hydrophilic  
亲水效果
- Anti-static  
防静电
- Protection against UV  
阻隔有害紫外光
- Decomposes VOC, NO<sub>x</sub>, SO<sub>x</sub>  
分解甲醛、氮化物、硫化物
- Purifies Air  
净化空气

## Substrates 物料



- Concrete  
混凝土
- Stone  
石材
- Paint  
油漆
- Ceramics  
瓷砖
- Natural Wood  
天然木材
- Metal  
金属



## References

参考工程

Product 产品	Function 功能
TDX-HT	High Transparency for glass 玻璃专用高透明涂料
TDX-UC	High Transparency Under Coat 高透明底层涂料
TDX-TC	High Transparency Top Coat 高透明表面涂料
TDX-AB	Silver Ion Anti-Bacterial 银离子抗菌涂料
NZ-ST	Hydrophobic, air permeable coat-Stone 石材用拒水透气涂料
NZ-WD	Hydrophobic, air permeable coat-Wood 木材用拒水透气涂料



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