



**CLEAN R  
=  
CLEAN  
REDUCTION**

– For a cleaner and  
healthier environment



**CLEAN R**

# Why Decreases NOx?

The massive discharge of Nitrogen Oxide better known as NOx has for many years been a growing problem worldwide.

NOx is formed when burning fossil fuels, and here especially, emission from cars in the cities has been a major problem.

Unlike CO<sub>2</sub> which in the atmosphere is not harmful to human health, the large amounts of NOx particles in the air have been identified as a contributing factor to the increase in airway related diseases in humans. It is therefore very important, that we, as a society, take this problem seriously. The most common diseases related to NOx include asthma, bronchitis, and lungs and throat genes.

## CLEAN R is the solution

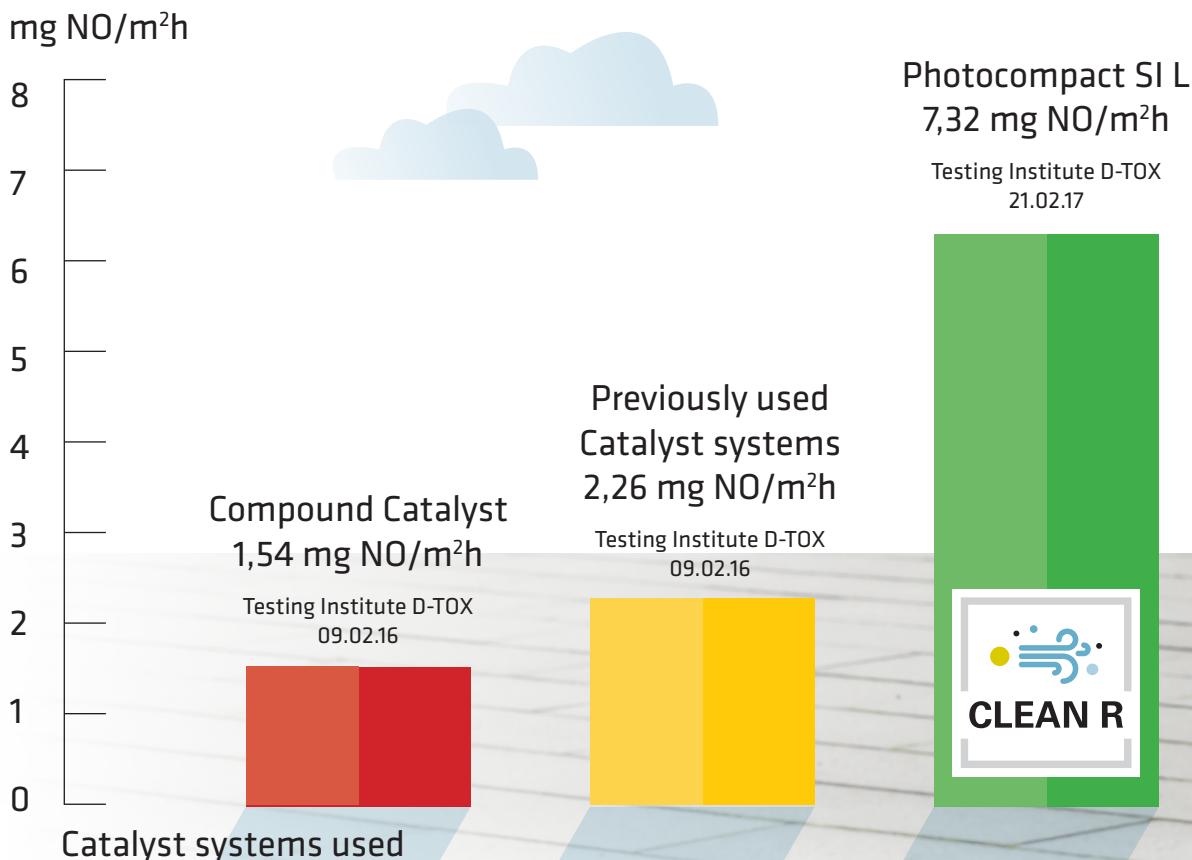
CLEAN R is a patented 2-component solution for neutralizing NOx particles in the air and at the same time add enhanced properties to the concrete surfaces such as e.g. paving stones or tiles. These other properties include self-cleaning, higher strength and reduced water permeability.

The process of adding CLEAN R is simple and already takes place at the paving stone factory.

One product PHOTO COMPACT SI L is added directly to the concrete mixture before the stones are made. When the stones are hardened, they are treated with a special impregnating agent EASY PROTECT P which is particularly suitable for protecting photocatalytic products.

The combination of the two products gives an excellent overall result, with a higher NOx purifying efficiency than previously seen in other corresponding products.

### Compared performance parameters

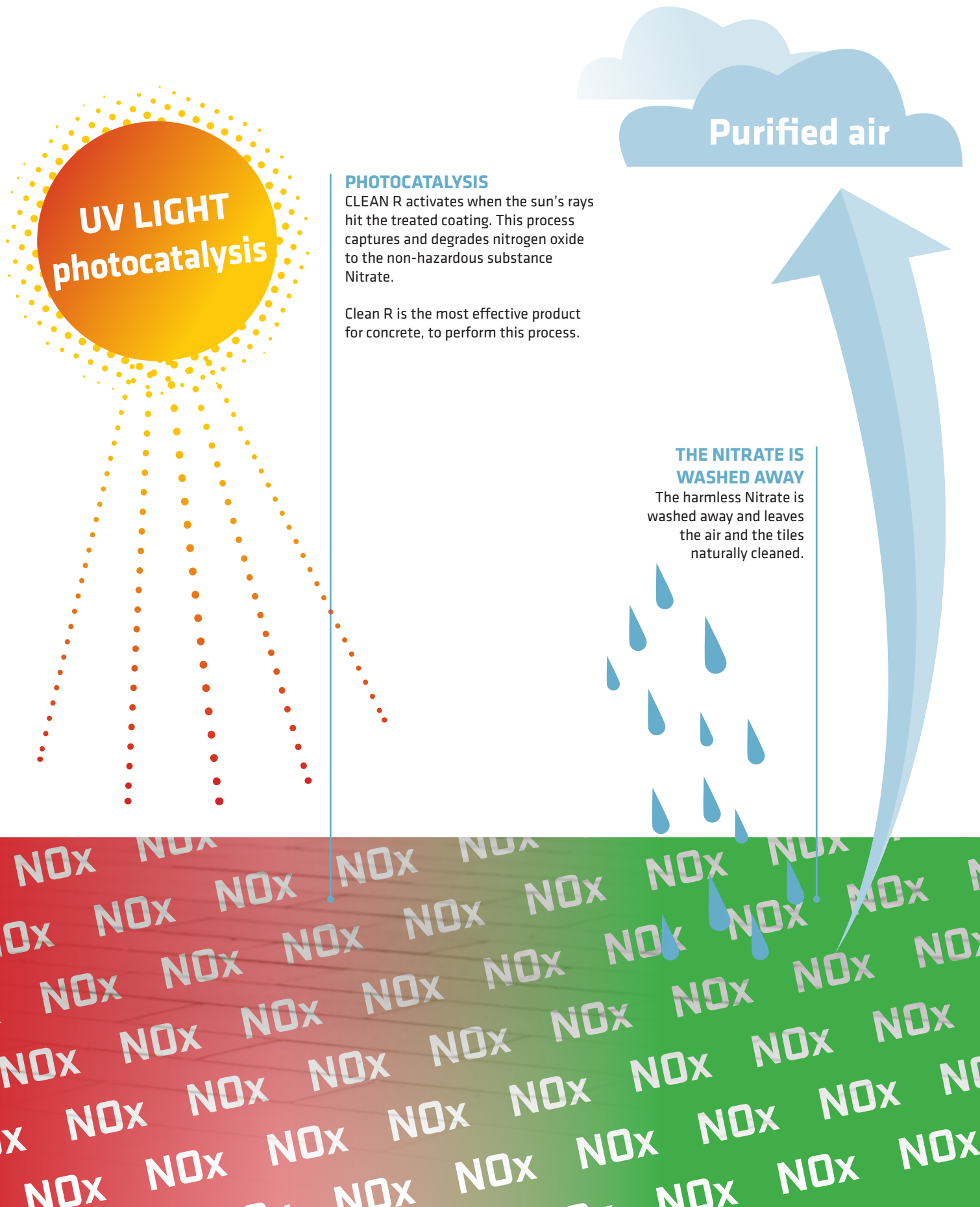


As can be seen from the figure, one square meter of concrete surface made with CLEAN R can neutralize 7.32 mg NOx per square meter/ per hour. This is more than can be achieved with other products on the market and the effect lasts as long the stone dose. Studies have shown in areas where CLEAN R is used it gives a noticeable improvement in air quality as well as cleaner surfaces.

# How does CLEAN R work?

When the sun's ultraviolet rays hit the paving stones, the photocatalytic process starts. This means that the CLEAN R treated surfaces "capture" the NOx particles and break them into Nitrate.

Nitrate, unlike NOx, is a non-hazardous substance. The next time it rains, the Nitrate will be rinsed away and leave the stones self-cleaned.







**CLEAN R**  
- The most  
effective product  
on the market

## Make our cities cleaner and healthier

The solution to making our cities cleaner and healthier is simple, the more paving stones that are treated with CLEAN R, the lower the NOx particle content in the air.

It is a relatively easy and cheap way to solve a serious problem.

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