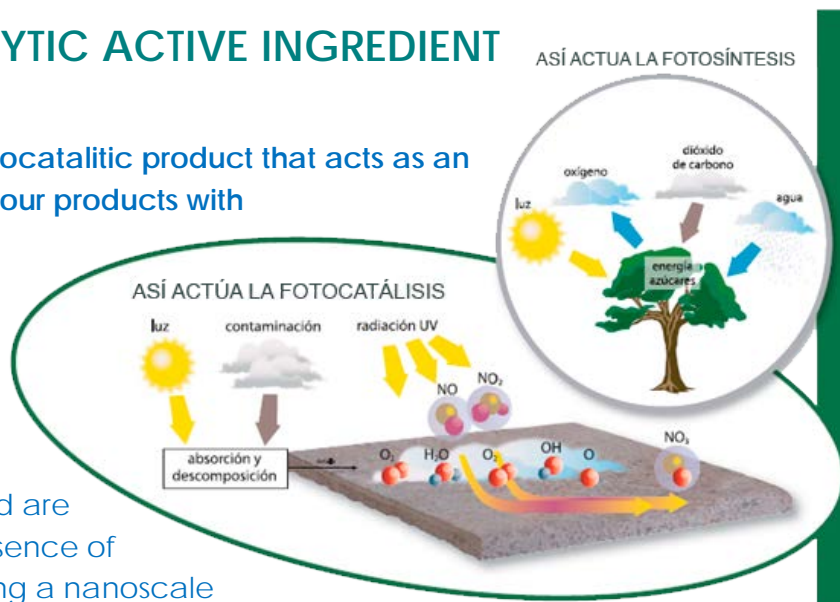




PHOTOCATALYTIC ACTIVE INGREDIENT

Active Plus is a photocatalytic product that acts as an active ingredient in our products with antibacterial, self-cleaning and decontaminating benefits.

The KlinkerTech pieces in which Active Plus is applied are capable, in the presence of UV-A light, of initiating a nanoscale photocatalytic reaction resulting in **three basic benefits**:



1. ANTIBACTERIAL EFFECT

Endorsed by the **ISO 27447** standard, the active principle of Active Plus reacts disintegrating microorganisms such as fungi, moss, bacteria, Escherichia coli and Staphylococcus and preventing the creation of biofilm in which these organisms tend to grow. As a result of the elimination of these bacteria and germs, odors and toxic fumes are also deleted.

These properties make our products the ideal solution for high traffic humid environments such as swimming pools and locker in sport complexes.

2. SELF-CLEANING

Another property is the Active Plus hydrophilicity. This means that our products passed the molecule of water (moisture) naturally present in the air, creating a situation that prevents the adhesion of dirt.



Photocatalysis also prevents the formation of components that litter the floor and wall. Decomposing water, carbon dioxide (CO²), sodium nitrate, calcium nitrate and calcium carbonate. Backed by laboratory according to **ISO 27448**.

3. DECONTAMINANT

The photocatalytic effect contributes to reducing air pollution, mainly on nitrogen oxide (NOx), through two actions described below.

- **By direct action:** Reduction of harmful gaseous substances (nitrogen oxide (NOx) as benzene, toluene, etc.) produced by human activity (Industries, Automobiles, heating, etc.). Degradation of the macromolecule (NOx) backed by laboratory according to EN 221 971.
- **For indirect action:** By destroying pollutants ozone precursors (NOx), with the formation of ozone (O₃). Scientific research confirms that 1,000m² finishing with clean air photocatalytic principle as effectively as you would 70 trees so great medium.

This is attributable to GREEN BUILDING technology:

- Credit LEED® ssC7.1 Heat Island Effect – Non- Roof
- Credit LEED® SSc7.2 Heat Island Effect – Roof
- Credit LEED® IEQc4 Low Emitting Materials
- Credit LEED® IEQ8.1 Daylight & View
- Credit LEED® of Innovation and Design

IMPORTANT

- Photocatalytic treatment is not toxic and does not contain irritating substances.
- It does not run out as it permanently reactivates with light, natural or artificial.
- It can be applied to all the Gres de La Mancha, Favemanc, Klinker Tech products.