






With unique technology against indoor pollutants  
**PUR**  **AIR** by **ACTIVE COATING**  
Improved air quality through coated window panes

Those exposed to fine dust, germs and pollen have an increased risk of secondary diseases such as asthma, bronchitis or even dementia, Alzheimer's, heart attack and cancer - scientists and medical experts agree on this. However, the microparticles settle in every household or public building and can only be fought with new technology. **PUR**  **AIR** improves the indoor air quality immensely by means of the innovative photocatalytic coating system **ACTIVE COATING** for windows and glass surfaces.



#### Efficiency through photocatalysis

With the sheer power of light and oxygen, the **ACTIVE COATING** innovation binds microparticles from the air and makes them harmless. If small, invisible particles hit the specially coated glass pane, a photocatalytic reaction occurs and 80% of all viruses, bacteria and mold spores are killed within 90 minutes. Despite their great diversity, all types of microorganisms are sensitive to the photodynamic, biocidal effect. You can then simply wipe them or vacuum them off.

Applied very thinly on any window, **PUR**  **AIR** connects directly to the glass surface and is active 24/7. **PUR**  **AIR** also removes unpleasant smells, is colorless and does not require any energy – other than sunlight or an artificial light source. The environmental impact is therefore zero. Allergens are significantly reduced and the indoor air cleaned to eliminate health risks and optimize the quality of life. **PUR**  **AIR** has a shelf life of over 30 years and also scores over expensive, maintenance-intensive ventilation systems thanks to its low purchase and maintenance costs.

The invisible protective coating is used to benefit hotels and clinics, among others, and also in the mobility industry, on buses and trains, to protect guests' health over the long term. Window manufacturers who work hand in hand with the construction industry also benefit from the innovative **ACTIVE COATING** system.



## Fine Dust – An Invisible Danger

In addition to naturally occurring biogenic aerosols such as bacteria and viruses, fine dust is also largely responsible for health risks. These include the particles released directly in the interior by printers, vacuum cleaners or cigarette smoke. But fine dust is also generated in industry, traffic and agriculture, which can get into buildings. Since the dilution effects are less pronounced than in the outside air, the fine dust pollution is often much higher.

A distinction can be made between coarser fine dust and ultra-fine dust. According to studies, the smaller the dust particles, the greater the risk of them becoming ill. This is stated by the WHO, among others. The source of danger from ultra-fine dust has long ceased to be a myth, but is also hotly debated in politics.

Ultrafine particles (UFP) are airborne substances with a diameter between 1 and 100 nanometers. To date, the German Committee for Indoor Values (AIR) has been able to set guidelines for the indoor air quality of public and private buildings, but these only refer to fine dust particles, but not to the even smaller, ultra-fine particles. Despite the lack of limit values, UFP can demonstrably influence the weather and damage human health.

Where the EU Air Quality Directive cannot yet protect its citizens, the innovative ACTIVE COATING system is the perfect solution to eliminate indoor pollutants and provide continuous protection. PURE AIR is guaranteed to last up to 20 years, its efficiency has been confirmed by the recognized Tropos Institute and TÜV Süd, among others, and does not affect the window transparency or the pane quality.

Further information can be found at [www.active-coating.com](http://www.active-coating.com)

