

Our offer

We coat your inner rooms with TitanShield®-technology. Coating the ceiling is generally most effective for the cleaning of the air, because by convection and natural air movements, odorous substances and contaminants are led repeatedly to the ceiling. There they are decomposed by the coating with titanium dioxide.



The application occurs by the established HVLP-spray-technique.

The coating of the ceiling is possible with-out long business interruptions. The used material is transparent, odorless and completely harmless to humans and animals. The effect arises immediately after the spraying and lasts for many years. With Titan Shield® coated ceilings can easily be painted over.

The antimicrobial effectiveness of our TitanShield® coating is confirmed through studies of a certified German laboratory.

The status

The sick-building-syndrome is more widely spread than one thinks und surely anything but an indisposition. Respiratory symptoms, allergies, watery eyes and tiredness are the most frequently observed symptoms. Official statistics show that there are approximately 2,2 millions of affected persons per year in Germany. So about 700.000 people are constantly missing in the workplace. This corresponds to approximately 2.75 million days of absence per year. Experts already talk of a total economic damage in Germany of around 1.5 billion euros, including the medical treatment. Those are impressive numbers!

TitanShield®

The active investment for a better quality of life!

When buildings make us sick...

Surfaces coated with TitanShield® have unique properties. They clean themselves, are antibacterial and even have the ability to clean our air of pollutants, viruses and unpleasant odors.

TITAN[®]
Shield

Identifying the problem

Increasingly, people are suffering also in Germany from the so-called "sick building syndrome" (SBS), the building-related illness.

Typical for SBS are symptoms caused by different influencing factors in the indoor air of buildings that usually disappear when people leave the building. So the discomfort is directly related to the stay of the people inside an affected building.



Often a bad or not existing ventilation management supports this effect. It is caused amongst other things by outgasings of furnishings or building material, by bacteria and bacterial toxins, by fungi, particles and dusts.

Who is affected?

It affects people in about 30% of all new or newly renovated buildings. Here we often notice that actions to improve the indoor climate and the air we breathe are much more effective than they cost.

List of the known symptoms of the sick-building-syndrome:

- inflammation of the nose, blocked nose
- sore throat, cough
- tiredness, numbness, apathy
- eye inflammation, reddened eyes
- concentration problems
- reduction of physical and mental performance
- aggravation of existing asthma, shortness of breath

The results are dissatisfaction, poor work performance and sick notes!



Our solution!

A very effective, but especially cost-efficient way to remove air pollutants, bacteria, germs and unpleasant odors is the coating of the interior, particularly the ceilings, with TitanShield®.



The completely invisible coating works on the principle of photocatalysis. In conjunction with light TitanShield® decomposes almost all organic pollutants in the air. To produce this effect just natural light as well as all kinds of artificial light are possible.

One example from practice:

Just 20m² coated ceiling with TitanShield® are able to free within one (light-)hour up to 400.000 litres of air from pollutants - and all without the usage of costly equipment or expensive energy.