

Air filter

The project: Protection against autoinfection with own virus emissions through air filters and face masks

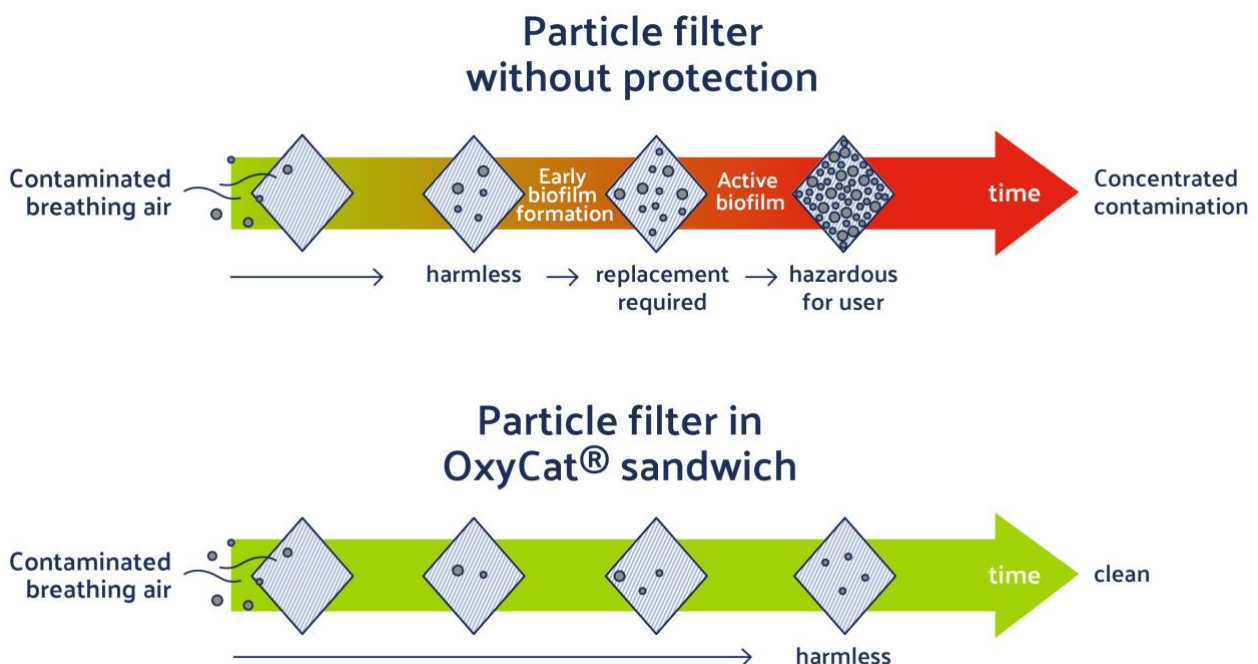
Air filters remove harmful particles and allergens from the air. They are mechanically blocked by the filter mat.

The Problem

Filtered microorganisms may multiply in the filter and subsequently be released again. The filter itself becomes a safety hazard.

The Solution

Filter membranes with OxyCat® did not show any release of microorganisms. We were able to show in hospital filters (legionella protection filters) that after 8 weeks no release of microorganisms could be detected. Without OxyCat®, a release occurred within as little as 1-2 weeks.



Advantages of the OxyCat®

- OxyCat® inhibits the release of harmful substances from air filters.
- OxyCat® increases service life and reduces waste.
- OxyCat® is chemical -free and sustainable.

Additional information about the project

Project partners

iprotex® GmbH & Co. KG, Münchberg - OxyCat® fabric
TPE Sealing GmbH, Wegberg – mask
RBM Technische Produkte GmbH, Jülich – FFP2 filter

Products

Face masks, FFP2/OxyCat® filter sandwich, medical approval;
filter media such as OxyCat® sieves and fleeces for air filtration;
Sandwich made up of OxyCat® filter paired with FFP or HEPA filters;
Custom made filter products

Cooperations

With this product we are mainly targeting filter manufactures and retailers of personal protective equipment.

OxyCat® improves and extends service of filter media. By installing OxyCat® at neuralgic points hygiene in filter systems will improve significantly. It's patented!

The unique properties of OxyCat® and your cooperation with our team will make your product stand out. Our OxyCat® face masks increase safety and comfort. Less waste and lower costs. Thus, sustainable protection for humans and the environment.