

Do you want to try out a photocatalytic active TiO₂ coating?

The Tribology Center, Danish Technological Institute, has made thorough investigations within coatings of photocatalytic active anatase TiO₂. Experimental results show that the anatase form depends on the coating thickness, the substrate (aluminium, steel, glass, silicon, polycarbonate or copper) and the annealing temperature among others. Thus a photocatalytic surface can now be tailored. The research and development of TiO₂ has reached a stage, where industrial applications of anti-microbial, hydrophilic and self-cleaning surfaces can be tested in real life.

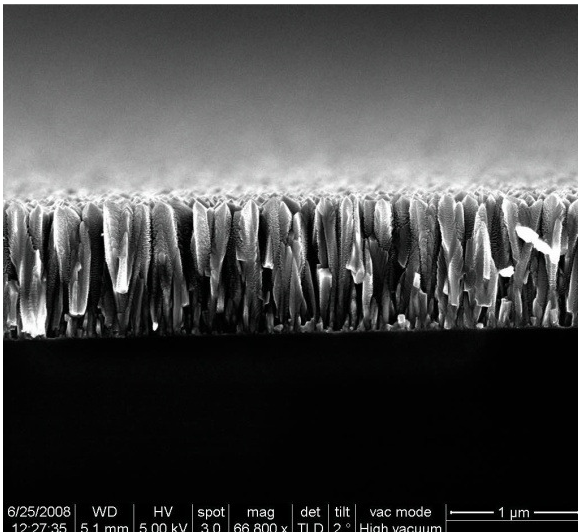
The Tribology Center offers You a unique possibility to get a TiO₂ coating on a specific industrial item of Your concern. If You have some application in mind and want to participate in a pilot test for free please contact the Tribology Centre via the following coordinates:

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Cross sectional electron scanning microscopy of a photocatalytic active TiO₂ layer on a metal substrate. The layer shows unique properties being hydrophilic and anti microbial when exposed to light. Such a hygienic surface can be used in a wide spectrum of industrial applications. The Tribology Centre possesses highly advanced equipment to coat diverse substrates like steel, aluminium, glass, silicon, poly carbonate a.o.