



NANO  
ULTRAFINE

titanium dioxide

### Antiviral protective facemask with nano - ultrafine titanium dioxide

Cinkarna beside many products, produces also nano - ultrafine titanium dioxide, which has very wide specter of applications and at the same time offers many benefits tightly connected to our health and clean environment. This is a part of our every day's life, which is to be treated with highest level of responsibility to all of us and to our environment. When nano  $TiO_2$  is exposed to light, photocatalytic reaction takes place and as such, results degradation of organic pollutants from air, acts antiviral and antibacterial, decomposes fungi and mold, neutralizes odor and smell, furthermore, enables self-cleaning effect.

In the light of new situation, faced with pandemic dimension of spreading coronavirus, we are forced to adjust our life style to new normality. With desire to participate in finding solution, many scientists and researchers took advantage of nano  $TiO_2$  benefits and developed antiviral and antibacterial different kind of products. Mr. Norbert Duczmal, nanotechnology scientist from Poland recently created and developed such product - antiviral protective textile facemask – **"Halloy nano"**, coated with uniquely designed antimicrobial agent, which includes also our product. Result of photocatalytical absorption of light, as a key element of solution is antibacterial and antiviral property, which is subject to clinical approval. Facemasks as such, obtained also a certificate of suitability.

As a company we are proud, that we can participate in such important project, when health protection and ability to prevent spreading of viruses is becoming our main priority. More about **"Halloy nano"** facemasks you can read on following link: <http://halloynano.com/>



Halloy nano

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