

antibactif

ANTIBACTERIAL PHOTOCATALYTIC NAIL FILE



Dear friends in business

With pleasure and pride I would like to introduce you a new product of Blažek Glass s.r.o. company.

ANTIBACTERIAL GLASS NAIL FILE - Antibactif

Antibactif was designed by our company after several years of research in cooperation with the Nanopin centre (www.nanopin.cz) - the top in the field of nanotechnologies. The idea of a sanitary (antibacterial) nail file originated some time ago but was only put in practice upon the development of a new technology and a new-generation photocatalytic surface since high efficiency of the antibacterial layer was demanded.

What is Antibactif?

The antibacterial glass nail file is a classic glass nail file which has a thin surface of photocatalytic layer based on titanium dioxide (TiO₂).

How does Antibactif work?

Incidence of light, mainly ultraviolet light (UV), on the surface layer of the nail file causes photocatalytic reaction leading to destruction of bacterias, viruses and fungi. This is very important since the growing and movement of people across the world keeps increasing rampantly so the threat of severe infectious diseases becomes real again. Our antibacterial nail file can destroy the origins of those infectious diseases very easily just by exposing it to sunlight. For professional manicure studios we recommend more effective sterilization under UV lamps. The difference between sterilizing a nail file without and with the photocatalytic layer is that if a nail file is not provided with this layer, the microorganisms killed by the sterilization still remain on the surface of the nail file, whilst if Antibactif is used, it kills and absolutely clears the bacterias, viruses and fungi from the surface of the file due to the TiO₂ applied on it.

What is the durability and functions of our glass nail file?

The antibacterial layer is effective and continuously protects the entire surface, and therefore not only the peaks are covered but also the valleys which altogether forms the grinding area of a glass nail file. Even though a glass nail file becomes partially blunt due to its continuous usage or abrades the antibacterial layer on the peaks of the glass nail file the thickness of this layer remains almost unchanged (in terms of micrometers) which is enough for photocatalytic reaction which leads to destruction of bacterias, viruses and fungi which might be stuck on the surface of the file.

Does the antibacterial layer have any side effects?

Titanium dioxide, as the basic component of our antibacterial layer, is one of the fundamental elements in our daily life. It is widely used in different forms, cosmetic agents and food supplements, and thus has no side effect. On top of that, our antibacterial layer is being fixed on a glass nail file at high temperature, so that its adhesion to the glass surface of the file is highly abrasion resistant which prevents potential release of nanoparticles off the antibacterial layer.

How is Antibactif maintained?

In principle, it is maintained in the same manner as any glass nail file. It can be washed and sterilized. To achieve the best possible antibacterial effect, Antibactif should be exposed to light as much as possible, preferably to sunlight, or to any source of light containing the UV component.

When can these nail files be ordered?

Serial production has already started, therefore we are ready for your orders.

Is the nail file protected anyhow?

The antibacterial nail files of the Blažek Glass s.r.o. company are protected by the Czech Utility Model No. 19740, and will be additionally protected with a trademark.



Would you be so kind and address any potential queries or comments of yours to:

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