



Press release

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Window handles and geared-handles with antiviral coating /
“Roto Line” window handles and geared-handles with “Roto AVT”
available for immediate delivery / Metal constructors reporting
increased demand / Can be combined with all colours and surfaces /
Coating for further component groups in the pipeline

New from Roto Aluvision:

Window handles with “Roto AVT” prevent the spread of viruses and bacteria

Leinfelden-Echterdingen – Fabricators of the “Roto AL” or “Roto AL Designo” Tilt&Turn hardware product ranges are now able to order “Roto Line” window handles and geared-handles with an antiviral and UV-resistant coating. It is known as “Roto AVT”, which stands for “antiviral technology”, and is proven to be widely effective against viruses, bacteria and fungal infections that could stick to a handle. “Roto AVT” renders them inactive and therefore harmless. In this way, the risk of a smear infection and new infection chains is significantly reduced.

Order-specific coating

“For hospitals and care homes in particular, but also for other public buildings, there is an increasing demand for products with surfaces which inactivate pathogens such as bacteria and viruses,” reports Dr Gregor Stößer, Head of Surface Technology at Roto Frank Fenster- und Türtechnologie GmbH. Since metal construction plays a key role in fitting out care homes and public buildings, Roto Aluvision looked for an option to offer window handles and geared-handles in any colour and surface with an order-specific antiviral coating within a short time for aluminium windows. The ideal technology was found for this in the form of “Roto AVT”.



“This is certainly just the beginning,” explains Matthias Nagat, Head of Roto Aluvision Range Marketing and Product Adaptation. “Window handles and other handles with ‘Roto AVT’ can also be provided for timber and PVC windows if required. Further component groups will follow.”

Triple the effectiveness

“Roto AVT” is transparent, thin-layered and barely perceptible to the touch. The coating produces a very hard, pore-free surface which creates the lotus effect. It is extremely difficult for the hydrophilic membrane of a virus envelope, organic substances, moisture and other contaminants to attach to the surface. “Roto AVT” does more than just simplify cleaning and disinfection of window handles; it also gives the window handle an antibacterial, fungicidal and virucidal effect.

“Roto AVT” is also proven to be highly effective against enveloped viruses including the families of influenza viruses (H1N1) and COVID-19 viruses (SARS-CoV-2). The active ingredients contained in the coating attack the virus envelope. It becomes porous and the virus is rendered inactive. In this way, “Roto AVT” prevents viruses from being transmitted to other persons, even between cleaning and disinfection cycles.

Long-lasting effectiveness

Tests in a certified test centre have shown that the antiviral and antibacterial effectiveness of “Roto AVT” is incredibly long-lasting and is maintained even when a window handle is used very frequently. When deciding to make their purchase, window manufacturers receive a certificate for their documentation confirming the effectiveness of the coating for up to three years, which is subject to an additional charge.

“Coatings similar to ‘Roto AVT’ are used in hospitals, on sanitary equipment, bed frames and medical equipment,” explains Nagat. “All

Roto component groups with this new coating can therefore also be used in good faith for windows designed for areas with stringent hygiene requirements.”

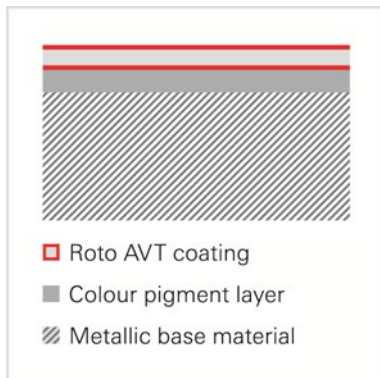
Available now

European manufacturers of aluminium windows are now able to order “Roto Line” window handles and geared-handles with the “Roto AVT” coating, just like a special colour. The delivery time for individual orders is four weeks. Customers can, however, also be provided with defined items with the new antiviral surface within the standard delivery time by concluding a framework agreement.

These can upon request also be printed with information making the user aware of the window handle’s special surface. Plans will be implemented soon to extend deliveries to aluminium window manufacturers so that they cover other continents. The same applies to the use of the coating on other component groups from the Roto handles range. Roto sales representatives can provide advice upon request.



“Roto Line” window handles with the “Roto AVT” coating can also be used for elements designed for areas with stringent hygiene requirements. Window manufacturers receive a certificate for their documentation confirming the effectiveness of the coating, which is subject to an additional charge.



Applying “Roto AVT” produces a very hard, pore-free surface which creates the lotus effect. It is extremely difficult for organic substances, moisture and contaminants to attach to the surface. The window handle with “Roto AVT” also has an antibacterial, fungicidal and antiviral effect against enveloped viruses including the families of influenza viruses (H1N1) and COVID-19 viruses (SARS-CoV-2). The active ingredients contained in the coating render viruses inactive, because they attack the envelope of these viruses and make it porous.

Photo: Roto

Roto_AVT_coating_structure.jpg

Text and images are available to download:
<https://ftt.roto-frank.com/int-en/company/press/press-releases/>

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