

**VIRUPROTEC**  
Permanent nanotechnological protector for multi surfaces

**Product description**

**VIRUPROTEC is a water-based nanocoating, specifically designed to create a permanent (long-lasting) and immediate barrier to the development of viruses and bacteria on porous and non-porous surfaces** of: furniture (tables / chairs / work chairs, dining halls, terraces), doorknobs, handrails, lifts, toilets (toilets, push buttons, taps), gyms (fitness rooms, lockers), transport (buses, trains, cars, airplanes), car interiors (dashboards, gear lever, steering wheel), work tools, public spaces and buildings (floors, skirting board, urban furniture, playgrounds), heritage buildings, etc.

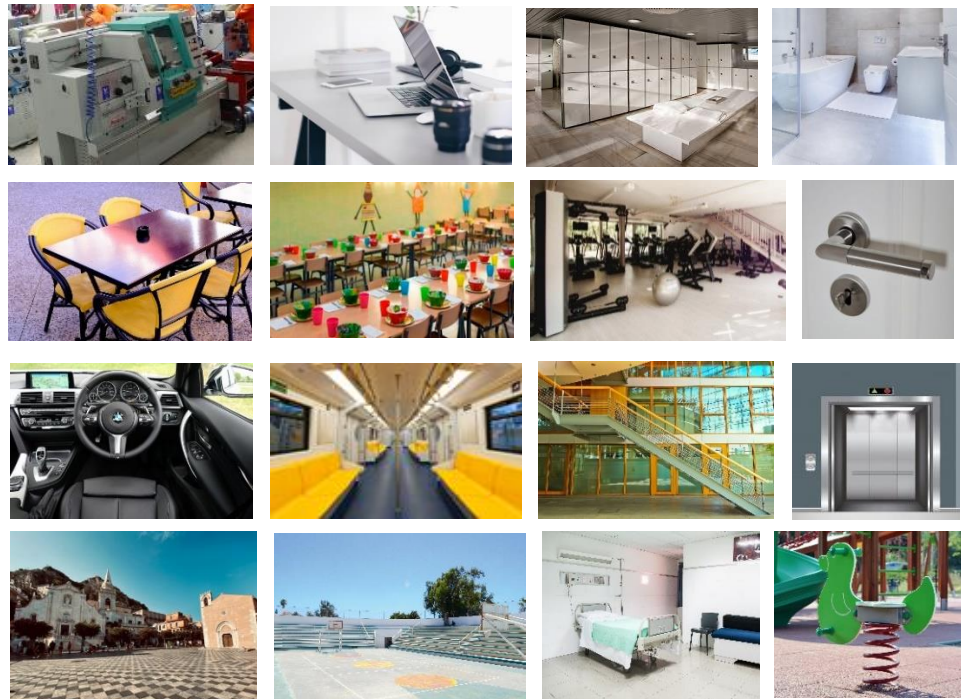
It provides **preventive action and long-lasting effect**, resisting more than 400 abrasions (equivalent to approx. 50 cleanings). **Complementary product** (not substitute) that improves the safety of the cleaning/disinfection protocols established in each area (school, health, industrial, sports, etc.).

In addition, VIRUPROTEC is a hydrophobic product (water repellent), anti-stain, invisible, easy-to-apply, breathable, reapplicable, cleanable, odourless, and facilitates maintenance and cleaning of the surfaces on which it is applied.

**Applications**

**Water-based barrier product**, designed to protect against viruses and bacteria permanently, achieving surfaces free from microorganisms for a long time; and therefore being a safety complement to the usual cleaning and disinfection procedures of surfaces.

Compatible with instant cleaning and disinfection products (bleaches, hydroalcoholic products, quaternary ammonium, etc.)



**Multisectoral application:** healthcare, school, hospitality, industrial, transport, domestic, sports, urban furniture, conventional constructions and historical buildings, etc.

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<b>Features and advantages</b>	<ul style="list-style-type: none"> <li>▪ Physical barrier against the growth of viruses and bacteria (98.42% effective against human Coronavirus; 99.8% against Mingovirus-vMCo).</li> <li>▪ Efficacy against viruses based on the UNE-EN 14476 standard.</li> <li>▪ Efficacy against bacteria based on the ISO 22196: 2011 standard.</li> <li>▪ It provides hydrophobic and anti-stain protection which is invisible and nanotechnology-based, facilitating the maintenance and easy-cleaning of the material. It protects and sanitises with permanent effect.</li> <li>▪ Water-based formulation, spray application. No need for rinsing.</li> <li>▪ Quick and easy application on any type of surface (metal, wood, plastic, porcelain, ceramic, natural stone, precast concrete, single-layer mortars, facing bricks, glass, etc.)</li> <li>▪ In case of applying product excess, spread it with a cloth/mop to achieve a uniform finish.</li> <li>▪ Invisible. It does not change the appearance.</li> <li>▪ It can be perfectly reapplied without removing the previous product remains.</li> <li>▪ It can be cleaned (cloth / mop / machine) and re applicable depending on the use of the surface and the number of cleanings/disinfections carried out. Approx. 50 cleanings.</li> <li>▪ Odourless.</li> </ul>
<b>Product information. Composition and physico-chemical properties.</b>	<ul style="list-style-type: none"> <li>▪ <b>Colour:</b> Whitish liquid.</li> <li>▪ <b>Standard format:</b> 400 ml (aerosol spray), 5 and 25 litres.</li> <li>▪ <b>Volatile Organic Content (VOC)</b> &lt;25% wt</li> <li>▪ <b>Density:</b> 0,955 g/ml</li> <li>▪ <b>Viscosity:</b> 3,25 cP</li> <li>▪ <b>Boiling Point:</b> 100°C</li> <li>▪ <b>Solvent:</b> Water</li> </ul>
<b>Surface preparation</b>	<p>Before its application, the surface must be clean and dry. Regular cleaning.</p>
<b>How to use</b>	<ul style="list-style-type: none"> <li>▪ <b>SHAKE THE PRODUCT BEFORE ITS USE.</b></li> </ul> <p>The surface must be clean and dry. Apply evenly over the surface from a distance of approx. 30 cm. After application and if required, it is possible to use a cloth/mop to remove any product excess and get a uniform finish. Let the surface dry before its use: 10-15 min in the case of non-porous surfaces and 6-12 hours in the case of porous surfaces. Drying time can be accelerated (fan/hair dryer). It can be applied when required, depending on the surface. Re-application is recommended depending on its use, number of cleanings / disinfections that are carried out on it. Durability approx. 50 cleanings.</p> <p>For large areas of application, it can be applied with an airless sprayer, or with a pump sprayer (agricultural backpacks or similar). The application should be done ensuring the correct coverage of the surface to be protected.</p>
<b>Yields and storage</b>	<ul style="list-style-type: none"> <li>▪ Dilution: none</li> <li>▪ Yield: variable yield according to the material to be treated:             <ul style="list-style-type: none"> <li>- Non-porous surfaces: 15-20 m<sup>2</sup>/litre.</li> <li>- Porous or low porous surfaces (depending on porosity): approx. 5-8 m<sup>2</sup>/litre.</li> </ul> </li> <li>▪ Drying time (depending on the material): approx. 10-15 min (non-porous materials), and approx. 6-12h (porous materials).</li> </ul> <p>Application and storage temperature: between 5°C and 30°C.</p>

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<b>Observations</b>	<p>When stored in original sealed containers at temperatures between 5°C and 30°C, the shelf life of the product is 12 months from the date of its manufacture. Avoid direct exposure to sunlight, keep away from heat and flames and prevent it from freezing. The material can settle slowly, therefore it is recommended shaking the product before its use. It is recommended carrying out an initial application test on a small area of the surface in order to verify the proper application of the product.</p>
<b>Handling precautions</b>	<p>The product safety information necessary for its safe use is not included herein. Before using this product, read the material safety data sheets and the container labels for safe use and for information on physical hazards and health. The material safety data sheets are available and are supplied by TECNAN.</p>
<b>Limited warranty information</b>	<p><b>Please read carefully:</b> The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should be used properly, verifying in preliminary tests that the product is suitable for its intended use. Suggestions of use shall not be taken as inducements to infringe any particular patent. The only guarantee of TECNAN is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of this warranty is limited to the refund of the purchase price or replacement of any product that is not warranted. TECNAN specifically disclaims any express or implied warranty of fitness for a particular purpose or marketing. TECNAN disclaims responsibility for any damage caused accidentally.</p>