

VIRUPROTEC
Permanent nanotechnological protector for face masks and other fabrics

Product description

VIRUPROTEC is a water-based nano coating, specifically designed to slow down the development of viruses and bacteria permanently and immediately in face masks, clothing and fabrics in general that are susceptible to being contaminated.
VIRUPROTEC is also an invisible hydrophobic product, easy-to-apply, breathable, reapplicable, washable and odourless.
Applicable both in the healthcare sector, educational, and social (personal use).
Valid for the entire useful life of the face mask, clothing or fabrics in general.
It reduces washing needs by more than 5 times.

Applications

Water-based barrier product, designed for the antiviral and antibacterial protection of face masks and other fabrics, extending their useful life as well as facilitating their maintenance and cleaning. VIRUPROTEC can also be used to protect other clothing and fabrics.
Especially recommended for the protection against viruses and bacteria of all types of face masks: hygienic masks (not reusable and reusable), surgical (type I and II) and PPE (FFP1, FFP2, FFP3).
As well as for all types of fabrics such as workwear, clothing, sports equipment, accessories (handbags, backpacks, travel bags, etc.), shopping trolleys, stroller and child seats, school supplies (school aprons, backpacks, etc).



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Features and advantages	<ul style="list-style-type: none"> ▪ It slow down the growth of viruses and bacteria. ▪ Antiviral efficacy of 99.8%. (Assay performed with Mengovirus vMCO strain, which has a behavior equivalent to SARS-CoV-2). ▪ Antibacterial efficacy of 99.99%. (Assay carried out with E. Coli strain CECT-515). ▪ It provides invisible nanotechnological hydrophobic protection, improving the maintenance and easy-cleaning of the material. It protects and sanitises with permanent action. ▪ Water-based formulation, spray application. No need for rinsing. ▪ Quick and easy application on any type of fabric. ▪ It allows the natural breathability process of fabrics. ▪ Invisible. It does not change the appearance. ▪ It can be perfectly reapplied without removing the previous product remains. ▪ Washable and reapplicable depending on the use and the number of washes. ▪ Odourless, after about 6 hours of drying (variable depending on the material). ▪ Application when required, an excess of product does not harm its antiviral properties, it even improves and / or reinforces in case of re-applications, but it can slow down the drying time. ▪ It extends the useful life of fabrics, recovers performance and improves their appearance, facilitating their maintenance and protection, reducing washes and increasing their period of use.
Product information. Composition and physico-chemical properties.	<ul style="list-style-type: none"> ▪ Colour: Whitish liquid. ▪ Standard format: 125ml, 500 ml, 5 L and 25L. ▪ Volatile Organic Content (VOC) <25% wt ▪ Density: 0,955 g/ml ▪ Viscosity: 3,25 cP ▪ Boiling Point: 100°C ▪ Solvent: Water
Surface preparation	<p>Before its application, the fabric must be clean and dry. Slightly damp fabric is not limiting for the application of the treatment, it may require a longer drying time, so it is possible to apply the treatment on slightly damp fabrics (complete drying of the support is not required).</p>

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How to use	<ul style="list-style-type: none"> ▪ SHAKE THE PRODUCT BEFORE ITS USE. ▪ Spray evenly over the surface to be protected. <ul style="list-style-type: none"> - For face masks: approximately apply 20 sprays for adults and 15 sprays for children. - For other fabrics, apply ensuring complete coverage of the fabric, when required, according to the material absorption. ▪ Drying time around 6h (depending on the material). Drying can be accelerated using the tumble dryer, hair dryer or by direct sunlight exposure. ▪ It can be reapplied when required, depending on the use of the face mask, clothing or fabrics and their washes. ▪ Reapply when loss of water repellency is observed. Reapply on clean and dry material: face masks, clothing or fabrics. Reapplications reinforce antimicrobial protection and revitalize the water-repellent and maintenance properties.
Yields and storage	<ul style="list-style-type: none"> ▪ Dilution: none ▪ Yield: Variable yield according to the fabric to be treated. Estimated yield in face masks, between 6-8 ml. In fabrics, average yield approx. 4-5 m²/liter, ensuring complete and uniform coverage of the fabric. ▪ Drying time: approx. 6 hours depending on the fabric. ▪ Application and storage temperature: between 5°C and 30°C.
Observations	<p>When stored in original sealed containers at temperatures between 5°C and 30°C, the product lasts for 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 to shake it before its use.</p>
Handling precautions	<p>The product safety information necessary for its safe use is not included in this document. 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>
Limited warranty information	<p>Please read carefully: 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>