






TECNAN BLUE
Nano-ceramic protector for guns (room temperature curing)

<p>Product Description</p>	<p>TECNAN BLUE is a nano-ceramic protector for guns with bluing effect that creates a hard and resistant ceramic coating and does not require heat to cure. It has been designed to repair and protect the metal parts of any type of weapons.</p> <p>The main features are as follows:</p> <ul style="list-style-type: none"> • It is a highly durable protector based on a dispersion of high hardness ceramic nanoparticles that protects the surface on which it is applied, providing maximum hardness and anti-corrosive properties. • Protector with a bluing effect. Curing at room temperature, no heat is required. Nevertheless, it can be accelerated to full curing at a temperature of 140-150°C for 1 hour. • The product provides a bluing effect, protecting treated surfaces from external agents such as weathering or other corrosive agents.
<p>Uses</p>	<p>TECNAN BLUE can be directly applied over metal parts of weapons: barrel, slide, body, cylinder, etc. The product is compatible with steel, aluminium, stainless steel and alloys.</p> <p>Uses: Thanks to its bluing effect it can be applied over a wide variety of weapons:</p> <div style="text-align: center;">  <p>PISTOL</p>   <p>RIFLE</p>   <p>SHOTGUN</p> </div>
<p>Features and advantages</p>	<ul style="list-style-type: none"> • It has great adhesion and is directly applicable on any metal part of weapons, whether steel, aluminium, stainless steel and alloys. • TECNAN BLUE is a protector with years of durability and excellent coverage. • It provides maximum hardness to metals. • Available in different colours: matt black, parker grey, metallic grey, olive green, laurel green, wet sand, scarlet red, cobalt blue and transparent among others. • Curing at room temperature, no heat is required. However, the process can be accelerated at a temperature of 140-150°C for 1 hour.

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	<ul style="list-style-type: none"> • It works as a barrier protecting the surface from corrosion and aggressive agents that can lead to serious deterioration. • It is resistant to scratches, oils and solvents. • Domestic and professional use. Easy application by aerosol or spray gun/airbrush. • One-component solution, no mixing required. • The final thickness of the standard TECNAN BLUE coating is between 10-20 microns. This thickness can vary depending on the properties sought. Thicker layers can be easily achieved by successive spraying with intermediate curing. • It is possible to reapply the product and repair damaged areas without having to remove the previous coating remains. If necessary, it can be removed by surface polishing.
<p>Product information. Composition and physicochemical properties</p>	<ul style="list-style-type: none"> • Colour: Black • Packaging: 200ml aerosol, 250ml, 1L and 5L. • Storage: TECNAN BLUE has a shelf life of 12 months from the date of manufacture, stored tightly closed in the original sealed container at temperatures between 5°C and 25°C. • Active Components: 15-55% • Solvent: Ethanol • Density: 0,90 – 1 g/ml • Flashpoint: 13°C
<p>Surface preparation</p>	<p>The surface must be clean and dry before application. Avoid presence of dust or solid particles of any nature on it. It is recommended to completely remove traces of dirt, oxidation or corrosion.</p> <p>For surfaces with slight oxidation or corrosion, a brass brush, brass steel or a steel wool (medium or fine) can be used. For surfaces with more severe oxidation or corrosion, more abrasive mechanical means such as light sandblasting or various polishing brushes can be used.</p> <p>Degrease metal surfaces with solvent or appropriate cleaner.</p>
<p>Application information</p>	<p>PREPARATION: It is recommended to shake the container vigorously before use to ensure homogeneity of the product (only one component, no mixing required).</p> <p>APPLICATION:</p> <ul style="list-style-type: none"> • Aerosol: Spray evenly over the surface at a distance of 25-35cm, keeping the container in a vertical or slightly inclined position (Figure 1) until the desired finish is achieved. <div data-bbox="523 1709 1342 1933" style="text-align: center;"> </div> <p style="text-align: center;">Figure 1</p>

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After its use, clean the aerosol nozzle by pressing the button upside down until only gas comes out. (Figure 2).

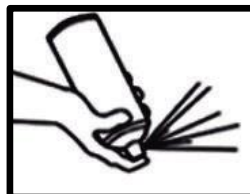


Figure 2

In the unlikely event of clogging, make a fluid such as ethyl alcohol or water pass through the nozzle.

Average yield (for guidance only): Between 1 and 2 standard size shotgun barrels. This yield may vary depending on the nature, porosity and roughness of the surface.

- **Spray gun/ Airbrush:** Spray TECNAN BLUE evenly over the surface to be protected until the desired finish is achieved (avoiding excess and sagging as far as possible).

Average yield (for guidance only): 10-20m²/L. This yield may vary depending on the nature, porosity and roughness of the surface.

CURING: Room temperature curing; let it dry for a minimum of 4 hours before handling. Complete curing after 2-3 weeks. It is also possible to cure it completely at 140-150°C for 1 hour.

Recommendations:

- Irritant. Apply it wearing a filtering mask for protection against gases and particles. Carry out the application in a well-ventilated place.
- If there is any excess, remove the product immediately with a dry cloth and a solvent such as acetone or isopropanol.

Yields and storage

- Dilution: none.
- Average yield (for guidance only):
 - Aerosol: Between 1 and 2 standard size shotgun barrels.
 - Liquid: 10-20m²/L.

Yields may vary depending on the nature, porosity and roughness of the surface.

- Storage temperature: between 5°C and 25°C, in a dry and well-ventilated place, away from sources of heat and direct sunlight.

Observations

- The material may settle slightly over time so vigorous shaking is recommended before use after periods of storage.
- TECNAN BLUE has a shelf life of 12 months from the date of manufacture.
- It is recommended to carry out an initial application test on a small area of the material to be treated to verify the correct application of the product.
- It is recommended to apply the product at temperatures between 5°C and 25°C.
- This product is not suitable for medical or pharmaceutical use.

Handling precautions

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 and health hazards. The material safety data sheets are available and are supplied by TECNAN. The application of the product must be carried out in a well-ventilated place. It contains volatile solvent (ethanol).

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Limited warranty information

Please read it carefully:

The information and recommendations in this document are given in good faith on the basis of TECNAN's experience and knowledge when stored, handled and applied correctly and under normal conditions within its useful life. However, because the conditions, types of materials to be treated and methods of use of our products are beyond our control, this information must be used correctly, verifying in preliminary tests that the product, the performance to be applied, the aesthetic finish and its purpose are suitable, even if other recommendations or advice have been received. TECNAN reserves the right to modify the properties of the product. TECNAN's only guarantee is that the product will comply with the sales specifications in force at the time of dispatch. Confirmation of payment and/or order implies acceptance of the product properties by the customer. TECNAN only guarantees the replacement of the product in the event of a manufacturing defect, and declines any other type of responsibility for the product, its application, as well as any additional damage it may cause. TECNAN specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. TECNAN declines responsibility for any damage caused accidentally or in case of incorrect use. Users must be familiar with the latest updated version of the Technical Data Sheet and for that TECNAN will provide a copy on request.