

Repair, restore and protect your **firearms** with **TECNANBLUE**

NANO CERAMIC COATING WITH BLUING EFFECT
NO HEAT REQUIRED

WHAT IS IT

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.

- **Based on a dispersion of ceramic nanoparticles**, providing maximum hardness and anti-corrosive properties.
- **Room temperature curing**, no heat is required. However, complete curing can be achieved at temperatures of 110-120°C for 1 hour.
- **Protection from external agents** such as weathering or other corrosive agents.

It can be directly applied over metal parts of weapons: barrel, slide, body, cylinder, etc. It is **compatible with steel, aluminium, stainless steel and alloys**.

BENEFITS

- ✓ Great **adhesion**.
- ✓ **Years of durability** and excellent coverage.
- ✓ **Maximum hardness**.
- ✓ **High resistance** to scratches, oils and solvents.
- ✓ **Anticorrosion**: Excellent protection against corrosion and weathering.
- ✓ **Room temperature curing**: 2-3 weeks or **oven curing**: 1 hour at 110-120°C.
- ✓ Available in **different colors and formats**.
- ✓ **Easy application** by spraying.
- ✓ Final coating thickness of **10-20 µm (microns)** approximately.
- ✓ **It is possible to re-apply the product and repair** damaged areas, without having to remove previous coating remains.
- ✓ **High resistance** to UV radiation.

AVAILABLE FORMATS

- 1. **AEROSOL:** 200ml for domestic use.
 - Approximate yield between 1 and 2 standard size shotgun barrels.
- 2. **MONOCOMPONENT LIQUID:** 250ml, 1L or 5L for professional use. Spray gun/Airbrush is required for application.
 - Approximate yield: 30-40ml/handgun and 60-80ml/long gun.



5L



1L



250ml



200ml

TECHNICAL DATA

PARAMETERS	VALUES
· % Solids	20-40 %
· Viscosity	20-40 Cps
· Density of the product	0,85-1 g/l
· Health & Safety Hazards	PFAS-free and Carcinogenic free
· Adhesion	0 (ISO 2409) / 5B (ASTM D3359)
· Hardness	9H (ISO 15184)
· Corrosion resistance (Thickness 20µm - Metallic grey)	>2.000 Hours (ISO 9227)
· Abrasion resistance	20.000-30.000 cycles (ISO 11998)
· Chemical Resistance	Excellent
· Coating Stability Max. Temp.	200°C
· Recommended coating thickness	10-20 µm
· Cost	4,60 €/m²

CHEMICAL RESISTANCE



HARDNESS



THERMAL STABILITY



CORROSION



IMPACT



UV STABILITY



HOW TO USE IT

- 1. **Disassemble** the firearm.
- 2. **Remove any trace of dirt, oxidation or corrosion:**
 - For surfaces with minor oxidation or corrosion, use a brass brush, brass steel or steel wool (medium or fine).
 - For surfaces with more severe oxidation or corrosion, more abrasive mechanical means can be used, such as light sandblasting with aluminum oxide (100-120 grit) and a working pressure of 5,5 to 7 bars or suitable polishing brushes.
- 3. **Clean and degrease** metal surfaces perfectly.
- 4. **Shake** the container **vigorously**.
- 5. **Application:** Apply evenly over the surface, avoiding overspray as far as possible.
 - Aerosol: Spray over the surface at a distance of 25-35cm, keeping the container in a vertical or slightly inclined position.
 - Spray gun/Airbrush: Spray evenly over the surface.
- 6. **Curing:**
 - At room temperature: Let it dry for a minimum of 4 hours. Full curing will be achieved in 2-3 weeks.
 - Oven: At 110-120°C for 1 hour.

COLORS



*TECNAN BLUE is not affected by Regulation (EC) 1005/2009 on substances that deplete the ozone layer.