TECNAN
TECNOLOGÍA NAVARRA DE NANOPRODUCTOS S.L.

Repair, restore and protect your firearms with TECNANBLUE

CERAMIC COATING GUN BLUING 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 high hardness ceramic nanoparticles**, providing maximum hardness and anti-corrosive properties.
- **Room temperature curing,** no heat is required. However, complete curing can be accelerated at temperatures of 140-150°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 140-150°C.
- ✓ Available in **different colors and packaging.**
- ✓ **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.
- ✓ Guaranteed **stability** in container of 1 year.

www.tecnan-nanomat.es

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AVAILABLE FORMATS

1. **AEROSOL**: 200ml for domestic or amateur 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 between 10-20m²/l.*
3. **BICOMPONENT LIQUID**: 250ml, 1L or 5L for professional use. Possibility of long shelf life (superior than 1 year). Spray gun/ Airbrush is required for application.
   - *Approximate yield between 10-20m²/l.*

5L 1L 250ml 200ml

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. **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.
5. **Curing:**
   - **At room temperature:** Let it dry for a minimum of 4 hours. Full curing will be achieved in 2-3 weeks.
   - **Oven:** At 140-150°C for 1 hour.

TECHNICAL DATA

PARAMETERS	VALUES
% Solids	20-40 %
VOC content	56,1%
Viscosity	20-40 Cps
Density of the product	0,85-1 g/l
Yield for a coating thickness of 10-20 µm	10-20 m²/l
Recommended coating thickness	10-20 µm
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.	250°C
Cost	4,60 €/m²

CHEMICAL RESISTANCE ⬢⬢⬢⬢⬢ HARDNESS ⬢⬢⬢⬢⬢

THERMAL STABILITY ⬢⬢⬢⬢⬢ CORROSION ⬢⬢⬢⬢⬢

IMPACT ⬢⬢⬢⬢⬢ UV STABILITY ⬢⬢⬢⬢⬢

COLORS

MATT BLACK

COLORLESS TRANSPARENT

PARKER GREY

METALLIC GREY

OLIVE GREEN

LAUREL GREEN

COBALT BLUE

WET SAND

SCARLET RED

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