

Semi-Permanent Nanotechnology Treatment for Polished, Brushed & Varnished Steels

DESCRIPTION

Nanoprotect® Metal 2in1 is a special semi-permanent hybrid nanotechnology treatment where the surface preparation is included with the protective solution. It provides long-term corrosion protection and anti-fingerprinting properties on natural, brushed and polished metal surfaces.

Nanoprotect® Metal 2in1 is not a sealer, but rather an ultra thin and transparent modification of the surface structure on a molecular level.

The slight abrasive properties clean and remove all dirt and contaminants, while the protective components adhere directly to the substrates molecules and become part of the substrate itself to provide a long lasting easy to clean and protected surface.

The treatment is resistant to friction, is UV stable and handles temperature changes. Water or normal cleaning agents cannot remove it.

Treated surfaces repel water, oil and other contaminants creating an easy-to-clean / self-cleaning effect.

RECOMMENDED FOR

Nanoprotect® Metal 2in1 was developed as a protective finish for steel, stainless steel, aluminum, titanium, aluminum, silver, brass, copper etc.

FEATURES & BENEFITS

- Economical
- Long lasting
- One component, easy to apply
- Non-toxic and environmentally friendly
- Invisible
- VOC free
- Water repellent
- Heat resistant
- UV-Stable
- Weather resistant
- Anti-fingerprinting
- Increasing effect with periodical application

SPECIFICATIONS

Supply Form	Liquid
Colour	Clear
Density	Approx. 0.76
Solvents	Water
Flashpoint	N/A
Storage Temperature	Not below 5°C / 41°F
Application Temperature	5°C-30°C / 41°F-86°F

SUBSTRATE PREPARATION

Proper surface preparation insures maximum adhesion to the substrate molecules.

Surfaces must be completely dry and free from dirt, grit, dust, grease etc.

A cleaning step before treatment significantly enhances the adhesion of the nanoscale layer.

Ensure the surface is free of any cleaning residue.

Do not touch the cleaned surface with bare hands.

MIXING & PRIMING

Shake or stir well before use.

METHOD OF APPLICATION

Do not dilute.

Avoid applying to hot surfaces. The evaporation rate will be increased, application time will be longer and consumption of the treatment may be higher.

Apply a small amount directly onto a dry cloth and polish in a circular overlapping motion applying gently pressure.

Treat on small sections at a time and ensure the whole surface is treated evenly.

IMPORTANT: Allow the surface at least 15 minutes to rest and dry to a hazy film.

Using a dry soft and clean cotton towel, microfibre cloth or microfibre pad wipe away the dried film.

DO NOT use the same cloth as used for application.

Application should be repeated when hydrophobic and/or anti-fingerprinting properties decrease.

TOOLS

Hand application can be done with a soft dry cotton towel, microfibre cloth or microfibre pad.

For larger areas, Nanoprotect® 2in1 can be applied by spraying (low pressure sprayer or atomizing sprayer), rolling or dipping in conjunction with a

Nanoprotect® Metal 2in1

Technical Data Sheet (June'06)



professional buffing machine or polishing pad. For a high gloss finished lamb wool pads or 3000 grid foam pads are recommended. For further information, contact Nanotec.

CURING

Nanoprotect® Metal 2in1 exhibits it's optimal water and soil-repellent properties 60-90 minutes following application.

ESTIMATING DATA

Coverage depends on absorbency and porosity of the substrate.

Application by hand will require 10-20ml for each square metre of surface.

Consumption with professional devices may be higher.

CLEANING

Tools should be cleaned with water immediately after use.

SHELF LIFE

Nanoprotect® Metal 2in1 can be stored in tightly sealed original containers for 12 months, if kept dry and at moderate temperatures.

It is important to reseal containers after use.

PACKAGING

Nanoprotect® Metal 2in1 is available in 1 litre bottles, 4 litre bottles, 20 litre drums and 1000 litre pallet tanks.

PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE.

REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES.

Nanoprotect® Metal 2in1 contains alcohol.

Provide adequate ventilation when applied in a confined area.

Adequate personal protection should be worn. This may include the wearing impervious gloves and goggles.

Keep away from children.

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