



## PROTECT METAL NANO-COATING

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### DESCRIPTION

AQUASHIELD PROTECT METAL is a product with a long-term effect on stainless steel, silver and other metal surfaces. It is a nanotechnology hybrid product where the surface preparation is included in the protective solution. It is not a sealer that forms a coating. The product repels water and prevents adherence of foreign matter on the surface. (Easy to Clean/self-cleaning effect). An ultra-thin and invisible treatment is applied to the metal surface. Due to the hydrophobic effect only a weak bond between dirt and the substrate exists which results in an easy to clean metal surface.

The abrasive component of the product cleans and removes all dirt and contaminations during the application process. The protective components adheres directly to the metal molecules. The AQUASHIELD METAL COATING protection enters the microscopically irregular surface structure of metal and provides a much longer lasting effect than conventional product solutions.

### RECCOMENDED SURFACES

Brown discoloration or Tea staining of stainless steel in a coastal environments around the world. AQUASHIELD PROTECT METAL is a product for the removal of stubborn tea stains, oxidations and contaminations from uncoated metal surfaces like stainless steel. The abrasive blend makes it easy to remove all stains and the hydrophobic active substance provides a long lasting, ultra-thin protection and a durable easy to clean surface effect. Stainless steel and other metals will stay shiny and protected even at harsh marine environments or in areas with high pollution or dust levels. Older and contaminated surfaces can be brought back to the original conditions. Water runs off easily from the treated surface. The protective effect last up to 2



years, and show increasing life span with periodical application. During this time all contaminations can be wiped off with a wet cloth.

### PRODUCT FEATURES

- Economical and long lasting
- Excellent protection for new surfaces
- Restoring of old/contaminated substrates
- Increasing effect with periodical application
- Nontoxic, water based
- Water and dirt repelling
- Easy to clean/self-cleaning effect
- Weatherproof
- UV Stable

## RESISTANT TO

- Water / Humidity and oil
- Mineral stains
- Bacteria & other microbes
- Mold & algae
- Acid and alkaline
- Abrasion
- Hydrolysis
- Extreme temperatures

## TECHNICAL SPECIFICATIONS

SUPPLY FORM:	liquid
COLOUR:	beige
DENSITY:	approx. 1.2
SOLVENTS:	water
FLASHPOINT:	N/A
STORAGE:	not below 4°C
APPLICATION:	between 4 and 35°C

## SURFACE PREPARATION

Surfaces must be dry and free from dirt, dust, grease, contaminants, oil or coatings. Standard surface preparation can be used. A proper surface preparation guarantees the full performance of the product.

## DIRECTIONS FOR USE

Do not dilute the product. Apply a small amount on a micro fiber cloth and use a polishing motion to remove all contaminations.

After the removal of all visible dirt and contamination let AQUASHIELD METAL COATING settle for 5-15 minutes. Then use a soft and dry micro fiber cloth and remove all remains of the product. The product can also be used with a buffing machine or a polishing pad. Depending on the metal the product can be applied on to the pad or on to the metal.

On small areas and smooth surfaces AQUASHIELD METAL COATING can be wiped on with a micro fiber towel or a lamp wool hand pad. Alternatively the product can be applied directly on to a cloth and wiped on to the surface.

For the application and if there are already stains and corrosion on the substrate, a rather rough cloth should be

used. On new surfaces, apply the product as described before with a micro fiber cloth and after 5 -15 minutes remove all residues with a different dry soft cloth.

After the application, the metal will become very smooth and shiny.

The product should not be applied in wet weather. After 24 hours the optimal protective effect is reached. The treated surface is rainproof 20 – 30 minutes after application.

Heavy stained and corroded stainless steel may require several cleaning cycles to remove the tea staining.

## CURING TIME

Curing time is not required. The treated metal may be stacked and used right after the application. After 24 hours the optimal protective effect is reached. The treated surface is rainproof after 30 minutes.

## CONSUMPTION / COVERAGE

Consumption is between 15 and 40 ml per m<sup>2</sup> depending on the conditions of the substrates and the metal finish. Brushed stainless steel will take up more than polished substrates.

25 - 60 per m<sup>2</sup> per liter (180 – 540 square foot) Consumption rate is a guideline only.

## TOOLS CLEAN UP

Clean tools with water and soap.

## STORAGE / SHELF LIFE

Keep in a cool dry place. Can be stored in the original sealed packaging for at least 12 months. Storage conditions should be in a dry and cool area.

## PRECAUTIONS

READ ALL SAFETY DIRECTIONS AND WARNINGS ON PACKAGING BEFORE USE. REFER TO MATERIAL SAFETY DATA SHEET FOR HANDLING PROCEDURES.

It is not classified as dangerous goods. Adequate protective personal equipment should be used. The use of latex gloves is recommended as the product may dry the skin. Avoid inhalation.