

Titanium (PVD) Coating's Maintenance instruction

Titanium (PVD) coating is the ultimate coloring process for stainless steel, as of today.

It can withstand any weather condition in any climate, rain, snow, sand storm, but the below stated maintenance instructions must be followed.

- 1. Please pay extra care and attention during the transportation and installation process to avoid any collision that may result in unwanted dents and scratches.**
- 2. After various examinations at certified testing centers regarding Titanium (PVD) Coating's anti-corrosive property, the following chemical solutions have been discovered to have major damaging and corrosive effects:**
 - 1) Hydrochloric acid solution (strong acidic solution)
 - 2) Sodium hydroxide solution (strong basic/alkaline solution)
 - 3) Bleaching agents
 - 4) Cement
 - 5) Marble stain remover

*Wet cement contains strong alkaline component. Most of cleaners and

detergents contain strong acidic or alkaline component. Both strong acidic and alkaline components can cause irreparable damage to Titanium (PVD) Coating.

Therefore, when Titanium (PVD) Coating comes in contact with cement or granite marble walls, ceilings, or floors, extra protection must be provided.

Such care can prevent cement's "strong alkaline" or, marble stain remover's "strong acidic" components from harming the surface finish.

- 3. Frequent daily contacts with human hands leave fingerprints, grease, or dirt on the surface of Titanium (PVD) Coating. If within a short period of time, it simply requires a piece of soft, clean cloth with some clean water to wipe down and restore its clean, new appearance. If however, fingerprints, grease, or dirt have remained on the surface of Titanium (PVD) Coating for a while and the application of clean water can not entirely remove the pollutant, we advise the following:**

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a) For relatively small area (Columns, Doors, etc.)

Apply a small amount of fine calcium carbonate powder (CaCo₃) onto a

piece of soft, clean cloth to wipe off the stain. Then, repeat the wipe down motion with another piece of soft, clean cloth to restore its new look.

b) For larger areas (Curtain Wall, Roofing, act.)

Use a Mild Soap “skin friendly” with pH6 – pH8 value, mixed in warm water. Apply by soft cloth or chamois leather, and wipe in direction of Satin (Hairline) finish or, in circular motion in case of Mirror, Vibration or Bead Blast finish.

Must rinse away cleaning chemicals with liberal amounts of fresh water.

Wipe dry, to prevent watermarks.

The use of de-ionised water will prevent the formation of hard water stains.

4. The use of coarse fabric, steel wool, scotch brite, or any other type of rough material are strongly prohibited and will cause unwanted scratches or surface damages.

Please, note:

*The regularity of cleaning depends on both aesthetic requirements and the corrosiveness level of the area. Where the highest level of cleanliness is required, or in corrosive environments, it is a good practice to clean Ti (PVD) coated surfaces at the same intervals, as the buildings glazing is cleaned.

*If you have problems with hard to remove contamination, please contact your supplier for suggestions, using strong chemicals will be at your own risk.

*The use of detergents containing “strong acidic” or “strong alkaline” in

maintenance is strongly prohibited. Such remaining harmful components on the surface of Titanium (PVD) coating will damage the coating. Hence, such maintenance will be treated as chemical misuse and will make our Guarantee void.

*The way to maintain Titanium (PVD) Coating’s clean, new appearance is through care and correct maintenance to avoid any damages and extend its beauty and lifespan.

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THE DO'S AND DON'TS

(Recommendations to cleaning staff)



1) Wipe along the polishing direction, not across it. Work from top to bottom in overlapping strokes.



4) Rinse away cleaning chemicals with liberal amounts of tap water. Wipe dry, if possible



2) Do not use wire wool or hard objects to remove stubborn stains.



5) Do not use swimming pool water for cleaning.



3) Do not use chlorine containing cleaning agents such as bleach or strong acids (e.g. mortar removers).

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