

MAINTENANCE INSTRUCTIONS FOR FORMANI® PRODUCTS

▪ **Stainless steel:**

All stainless steel door fittings will experience wear and tear through use. In addition, the surfaces may become damaged through use. The degree of wear and/or use depends on the product's frequency of use and its environment. Damage can result from everyday actions such as a ring of keys brushing along the surface or rings scraping the surface, similar to the damage suffered by car doors.

The exterior environment can also affect a product's surface, such as coastal or industrial areas, or locations near a railway or motorway. Even your personal care products can affect a product's surface. Cleansing products and perspiration also affect the surface treatment.

FORMANI® products are made from stainless steel A.I.S.I 304 (DIN W. No.1.4301, alloyed with approximately 17% chrome and 8% nickel).

Surface corrosion will appear in time because of ordinary use. This is not corrosion of the material itself, but rather a deposit on the surface. Regular maintenance will prevent this deposit from forming. Wiping the product down once a week with a moist cloth will suffice. If brushed stainless steel has been neglected, lightly rubbing the surface in the direction of the brushing using very fine wet waterproof sandpaper can help.

Stubborn corrosion deposits can usually be removed (depending on the circumstances in which the fittings are used) with a special anti-corrosion product. FORMANI® has put together a special stainless steel maintenance kit which can be ordered using the following information:

Article no.	Description
2101Z016XXX0	INNO stainless steel rust treatment kit

The kit contains 100ml Innosoft rust remover, 100ml Innoprotect stainless steel care, one pair of gloves (to wear when using Innosoft), and one special sponge (for applying Innosoft).

To remove surface rust, apply some Innosoft to the special sponge. Rub the sponge lightly on the fittings in a circular motion in the direction of the brushing. We recommend that you wear the gloves included in the kit when applying the Innosoft.

Innosoft is a special deep-cleansing product which easily removes oxidation and rust from stainless steel. Innosoft is not acid-based; it does not eat into the metal. Innosoft is gentle on metal but hard on oxidation and dirt. It gets down into the pores of the stainless steel.

After using Innosoft and for daily maintenance purposes, we recommend you use Innoprotect, a neutral, mild stainless steel cleanser. In addition to removing the loosened oxidation, Innoprotect also lays down a protective layer on the nano level to help prevent the formation of new corrosion. With regular application of Innoprotect, corrosion will not be able to form.

NB: Despite what is generally believed, stainless steel is not maintenance-free. Stainless steel products do require regular maintenance.

- **PVD stainless steel:**

Products with a PVD (physical vapour deposition) satin stainless steel finish are made from a stainless steel base. The PVD gases are directly applied to the stainless steel base. This PVD layer gives the product extra protection against oxidation and rust. Note: PVD treatment does not protect the product against surface rust. Surface rust consists of dirt particles which affix themselves to the material. The degree to which this is likely to occur is entirely dependent on the product's environment (for instance, there is a greater chance of surface rust forming when construction is going on nearby).

NB: Although PVD treatment makes a product more scratch-resistant, the door fitting is still a product intended to be used, and scratches can still occur with frequent or careless use. A product with a PVD finish is not guaranteed against scratches. And like other stainless steel finishes, PVD stainless steel is not maintenance-free, and regular maintenance is necessary.

- **Nickel-plated brass (satin or bright nickel):**

Satin or bright nickel-plated brass products have a relatively soft finish. This means that with frequent use or contact with sharp objects such as keys or jewellery, the nickel plating will wear. As a result, the brass underneath may become visible. Damage to the nickel plating cannot be repaired. Try to avoid contact with sharp objects as much as possible.

It must also be pointed out that products with a satin or bright nickel finish are not suitable for outdoor use. For outdoor use, FORMANI® recommends using products with a PVD finish.

To maintain brass products, use a soft damp cloth once a week to remove moisture and dirt. Do not use abrasives or other harsh cleansing products.

FORMANI® has a polishing paste available which is suitable for use on nickel, brass, and PVD satin or bright nickel. This polishing paste cleans very dirty surfaces and gives the product an extra protective layer.

Article no.	Description
2101Z009XXXX0	Polishing paste 15ml

- **PVD satin nickel and PVD bright nickel:**

Products with a PVD satin or bright nickel finish are products made of brass which has been given a PVD (physical vapour deposition) coating. This is also known as a zirconium or titanium coating. This coating strengthens the finish of the product, helps keep it from losing colour, and gives it protection against the effects of weather and pollution. This makes products with this finish suitable for outdoor use.

To maintain products with a PVD finish, use a soft damp cloth once a week to remove moisture and dirt. Do not use abrasives or other harsh cleansing products.

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finish is not guaranteed against scratches. And like other stainless steel finishes, PVD stainless steel is not maintenance-free, and regular maintenance is necessary.

- **Powder coating (white and black):**

FORMANI® products in white or black from the 'ONE by PIET BOON' collection are made from solid stainless steel with an A quality powder coating. The products can be cleaned using gentle soap and warm water.

NB: Do not use aggressive cleansing products.

- **Wood products (ebony and oak):**

Because ebony naturally contains lighter and darker sections, ebony wood is given a dark stain to create an even colour.

We advise against using cleansing products or wet cloths to clean the product. FORMANI® recommends regularly maintaining the product with a dry cloth.

- **Bakelite:**

For maintaining Bakelite, FORMANI® advises regularly dusting the product with a dry, soft cloth (terry cloth or flannel) and polishing it when necessary. Use a small brush such as a toothbrush to reach small corners.

Bakelite can be cleaned with warm water to which a small amount of dish soap has been added. Edges can be polished using a soft brush.

Copper polish can be used for buffing out small scratches. If this does not work, try a car polish. However, since car polishes are generally more abrasive, they should be used with great care.

If the product has become dull, use paraffin oil to give it a shine.

Polish the product with a good-quality wax and a clean soft cloth to maintain the shine.

In order to give the Bakelite an extra layer of protection, wax it thoroughly using a silicone-free colourless furniture wax or antique wax.