

STAINLESS STEEL

INFORMATION ON THE MATERIAL

MATERIAL

Quality class 304 "corrosion resistant stainless steel" is used in the production of our furniture. This is equivalent to the European material number 1.4301, better known under the trade names "18/10-steel" ((18 %) chromium and nickel (10 %)) or "V2A steel".

PROPERTIES

This chrome-nickel-steel alloy is particularly resistant to corrosion and is also used to manufacture the interior linings of washing machines, dishwashers and for high-quality cutlery and cookware, for example. The most important element in the alloy is chromium, which, at a ratio of 12 % or more and together with oxygen, forms a protective oxide layer on the surface of the steel. The corrosion resistance of the stainless steel is based on the formation of this very thin passive layer. Destruction of this passive layer can cause stainless steel to corrode. Furthermore, stainless steel is weather resistant, hygienic, stable and low maintenance.

CARE AND STORAGE

Light soiling can be removed with a soft cloth and a rinsing agent solution. We recommend using our STERN Stainless Steel Cleaner and Protector to remove fingerprints or water stains. The stainless steel protector creates an even, transparent protective film that maintains the surface and leaves a fine, stripe free shine. It should be used at least twice a year.

Please note that rust film may occur on stainless steel surfaces, too. The rust film is caused by ferrous dust which oxidizes in the air and forms on the surface. This is a normal process and not a reason for complaint. Rust film and small scratches can be removed easily with enclosed cleaning pad.

Never use abrasives or cleaning tools made of normal steel (such as steel wool). These damage the passive layer, which can lead to corrosion. Instead, rubber scrapers or chipped wood can be used to remove stubborn contamination. Please only clean in the specified grinding direction.

Chlorinated air around indoor or outdoor pools and the salty air near the ocean or at saltwater pools can cause corrosion. For that reason, stainless steel should not be used in these areas.

Stainless steel can be left outdoors over the winter. However, we recommend covering furniture over the winter with our STERN protective covers. You can obtain this from your retailer. The cover should be sufficiently ventilated so that no condensation water forms. A plastic wedge can be used as a spacer.

Water that may have penetrated into the frame through screw holes can be allowed to drain out by removing the foot caps. To prevent staining on the floor, this should be done on a durable subsurface.

Our stainless steel furniture is equipped with black floor slides. These are stable, ideally match the design of the furniture and have UV protection. Nevertheless, like all plastics, our floor slides exhibit abrasion that can vary depending on the structure of the floor. This abrasion can leave visible streaks on light-colored floors. This is not a product defect.