



1. USE OF STAINLESS STEEL

Among the building materials, with high corrosion resistance, are mainly steels that are offered under the standard commercial designation „stainless steel“.

The increasing use of stainless steel is a consequence of the excellent hygienic aspects of this group of materials, combined with easy cleaning of the continuously smooth surfaces and comparatively low maintenance effort.

In addition, components made of stainless steel are particularly suitable not only for indoor use but also for outdoor applications due to their insensitivity to frost.

3. BUT STAINLESS STEEL CAN ALSO RUST!

Mistakes in processing or cleaning can lead to optical impairment in the form of brown discoloration on stainless steel surfaces. This can be caused in particular by:

- Incorrect surface treatment
- Rust deposits from other sources
- Insufficient cleaning or use of unsuitable (especially cleaning agents containing hydrochloric acid)
- Condensate formation with chloride enrichment on the surface without regular cleaning. In practice, the corrosion

2. ROST RESISTANCE OF STAINLESS STEEL

Stainless steel is far more corrosion resistant than many other metallic construction materials. This is due to the formation of a very thin protective film on the surface caused by the chemical composition of the steel, which is called the „passive layer“. Even in the event of damage or scratches, this passive layer is constantly re-forming under the influence of oxygen.

Our stainless steel profiles have been carefully examined by the experts of the „Informationsstelle Edelstahl Rostfrei“. Pay attention to the quality seal.



load is determined by the presence of aggressive substances and their load intensity. The use of cleaning agents for basic and maintenance cleaning in swimming pools can also cause aggressive stresses on construction and equipment parts.

The use of cleaning products containing hydrochloric acid and chloride on and in the vicinity of stainless steel components must be avoided in all cases!



CARE INSTRUCTIONS FOR THE USE OF STAINLESS STEEL

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4. CLEANING AND CARE

We recommend the use of cleaning agents free of hydrochloric acid and chloride for stainless steel products.

Never use metallic objects to remove deposits! When using cleaning sponges, ensure that the scrubbing pad does not contain any metal particles.

Daily cleaning can be done with commercially available soap.

If chloride deposits are not carefully removed, this will inevitably lead to rust formation after a certain time! (Especially relevant in swimming pool constructions).

In connection with cleaning, the choice of a suitable surface finish for stainless steel products also plays a decisive role.

PERMISSIBLE LIMITS FOR THE MATERIAL 1.4301 (V2A)

Chlorine content: 150 mg/l

pH value: 7,0 bis 7,8

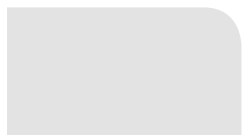
PERMISSIBLE LIMITS FOR THE MATERIAL 1.4571 (V4A)

Chlorine content: 400 mg/l

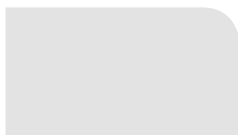
pH value: 6,8 bis 8,2

alferpro® MATERIAL AND COLOR OVERVIEW

STAINLESS STEEL V2A



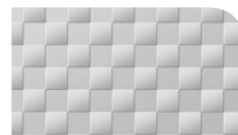
GLOSSY



POLISHED



BRUSHED
(240K)



CHECK
PATTERN

V4A



SPECIAL NOTE

Warranty and disclaimer

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