

Stainless steel doors and frames

Métalec stainless steel doors and frames becomes a judicious choice when you need greater corrosion resistance or an aesthetical look.

Technical details

Métalec manufactures its doors from a #304 stainless steel type with a #4 finish for projects where stainless steel beauty and prestige are displayed prominently. For projects that require durability, Métalec uses a #316 stainless steel type with a #4 finish which offers a higher resistance to corrosion. Stainless steel products have a variety of applications where they present higher performance:

- > Public pools
 - > Food processing factory
 - > Laboratories
 - > Chemical product warehouse
 - > Automatic car wash
- The frames are manufactured using 18, 16 or 14 gauge stainless steel and can be welded or knockdown;
 - The doors are built using 18, 16 or 14 gauge stainless steel, such as the "PS" or "PRV" series;
 - The frames and doors are strengthened, mortised, drilled and threaded in order to receive the specified hardware;
 - All the required components for this type of door are manufactured with stainless steel.

Stainless steel advantages

There are two types of stainless steel: the austenitic structure gathering A.I.S.I. 300 (301 to 348) grades and those of ferritic structure gathering A.I.S.I. 400 and 500 (403 to 446, 501 and 502) grades. The austenitic stainless steels generally have less carbon, two times more manganese, and also, they have a high content of nickel when the ferritic steels contain none or few.

For the manufacturing process of its doors and frames, Métalec uses an austenitic stainless steel. Its remarkable resistance to corrosion is due to a chromium-rich oxide protective film which forms on the surface when exposed to ambient oxygen.

There is no doubt stainless steel is a contemporary and durable choice for all architectural projects. Métalec stainless steel doors and frames are chosen for the following characteristics:

- Aesthetics;
- Excellent resistance to the corrosion and to chemicals;
- Heat and fire resistance;
- Easy maintenance.



#304 stainless steel type with a #4 finish