Construction applications among the elements for a long time

Swiss Steel Group

Construction and stainless steels: Ugitech… the fifth element

Four elements and a single common denominator: for new-found harmony.

Every day, man is pioneering innovations to control the four elements, i. e. water, earth, air and fire.

As the leader of innovation in long stainless steel products, Ugitech appears as the fifth element. In many applications, stainless steels demonstrate their ability to meet the varied needs of the building, civil engineering and architecture fields.

Water

A major element on the surface of our planet, water directly or indirectly exposes our buildings to the risks of corrosion which can cause aesthetic or structural deterioration. Whatever the contact environment, our products ensure the long service life, safety and attractiveness of all the working parts. They are also a source of considerable savings in servicing and maintenance.

Air

Its alchemy with water and sea spray makes air a vector of corrosion that is feared by civil engineers. It is also the subject of extensive studies in the battle against heat loss. The low thermal conductivity of stainless steels makes them an effective solution for improving the energy efficiency of low-consumption buildings.

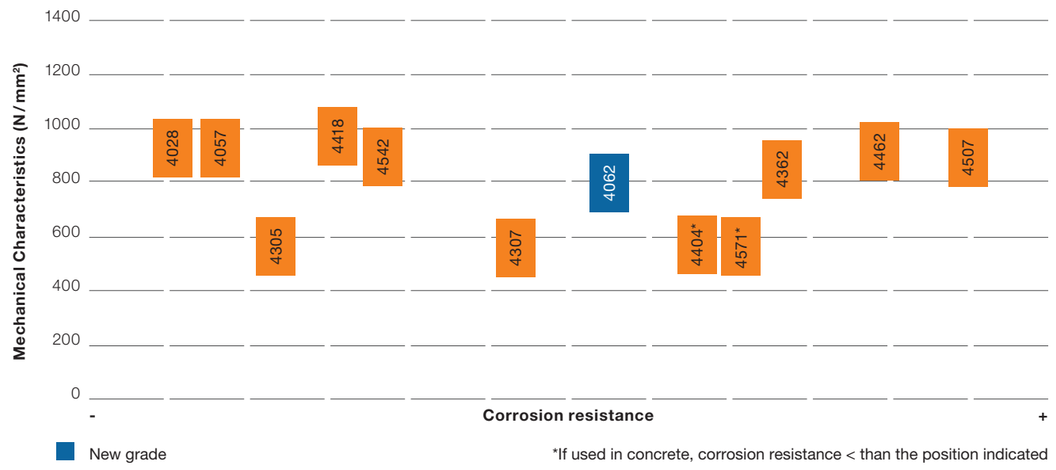
Earth

Due to their structure, stainless steels have a high capacity for dissipating energy in the event of significant deformation, whilst maintaining a high level of resistance. They are well suited to building structures in seismic zones and the non-magnetic properties of certain grades will also be appreciated in many applications.

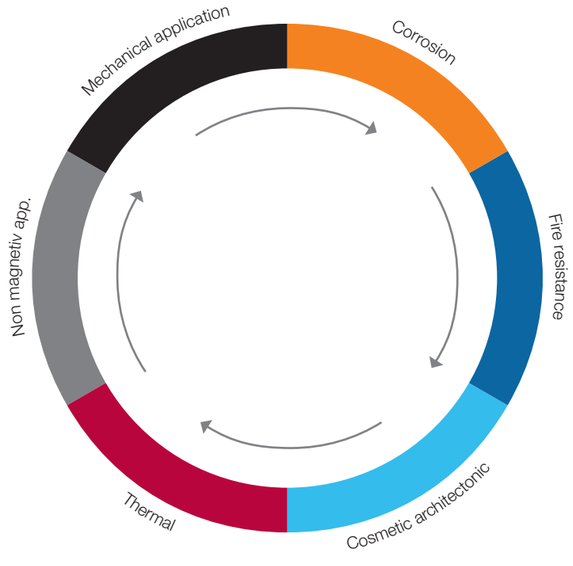
Fire

Stainless steel elements can easily achieve fire resistance times of more than 30 minutes without any additional protection. At temperatures of over 500°C, stainless steels exhibit a lower loss of rigidity than conventional carbon steels, thus enhancing building safety.

Properties of our stainless steel grades



Which interest for stainless steel in construction applications?



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