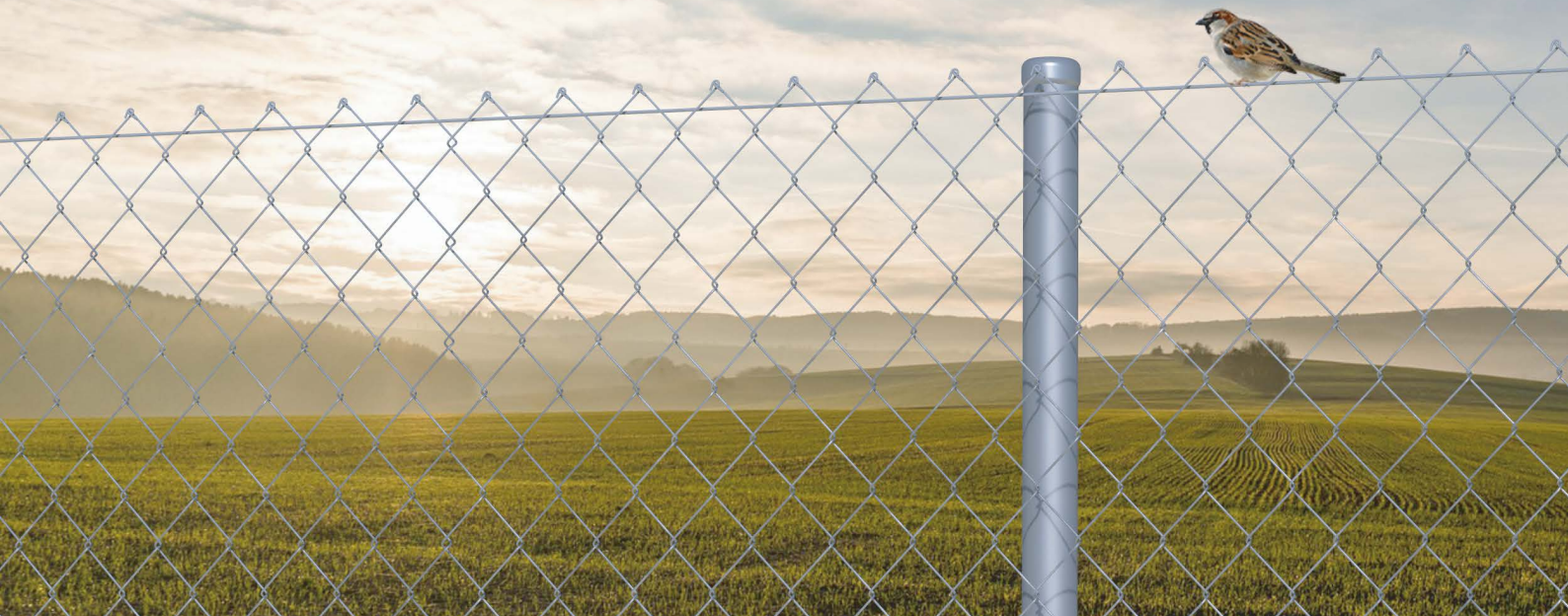




Posts / Post struts Ø48 x 1.5 Zinc - Magnesium (ZM)

Fence posts made of zinc, aluminium and magnesium alloy. A step forward towards corrosion protection, offering an unprecedented level of surface and cut edge protection, even in the most hostile environments. Certified coating for C5 environment.



Industrial areas



Residential areas



Livestock areas



Agricultural areas

Product with quality certification

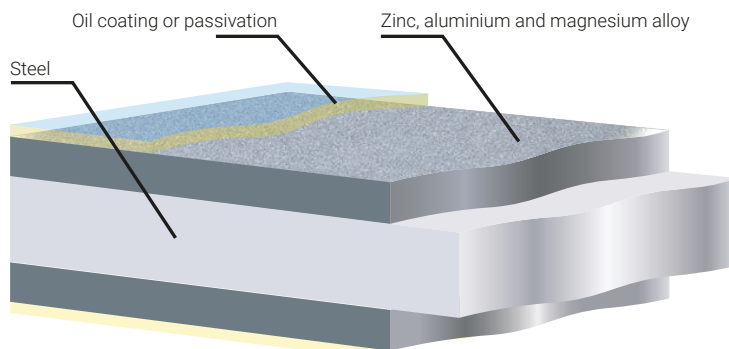
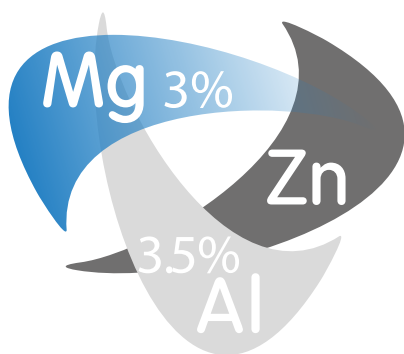


Sistema de Gestión
ISO 9001:2015
www.tuv.com
ID 910529438

Technical specifications

Zinc, aluminium and magnesium alloy (Magnelis) is 5 to 10 times more corrosion resistant than galvanised steel with the same coating. Chemical composition based on zinc, 3.5% aluminium and 3% magnesium.

Quality ZM 310 is used for our product range made of magnesium (ZM).
Coating weight: 310 g/m² (including both sides)
Coating thickness 21 µm/per side.

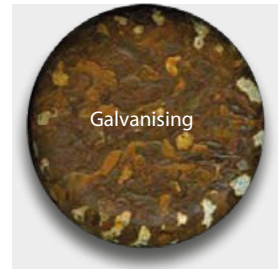
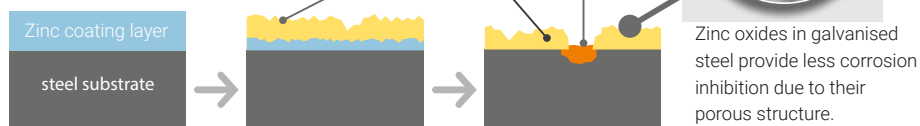




Corrosion protection mechanism

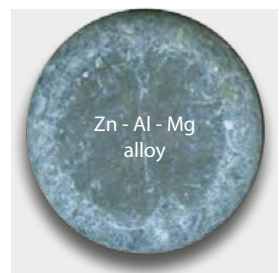
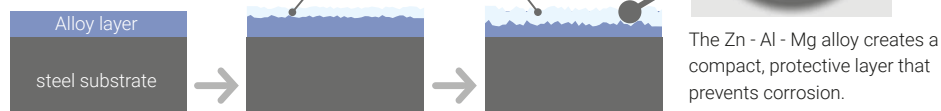
The protective layer with aluminium and magnesium acts as a barrier against corrosion and prevents the underlying steel from coming into contact with the surrounding environment. The result is a highly effective corrosion protection, even in the most aggressive environments.

Galvanising



Galvanising

Zn - Al - Mg alloy

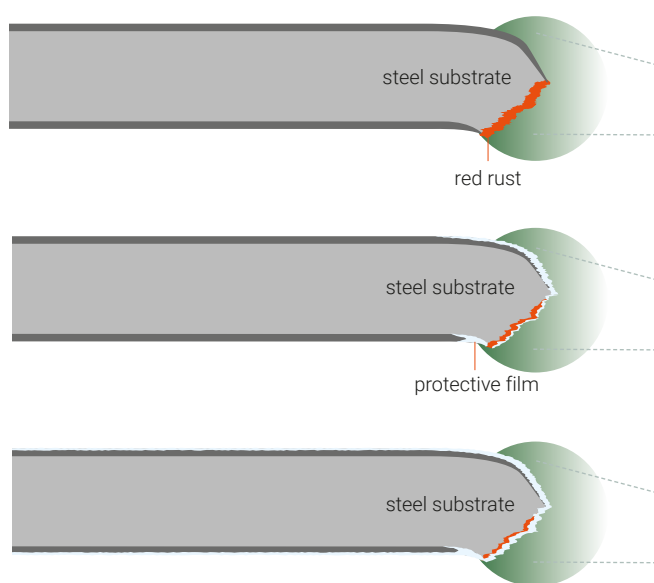


Zn - Al - Mg alloy

After 1440 hours of salt spray test, no red rust is observed, while the galvanised layer appears completely corroded.

Edge protection with self-repairing effect

When exposed to the environment, the Zn - Al - Mg alloy forms a very dense zinc-based protective film. This unique dense layer is also formed on edges, drillings and scratches, so that if any red rust were to appear in these uncoated areas, it would gradually be covered by the film.



Initial exposure period (up to several weeks)

The cut and exposed edge of the substrate oxidises, resulting in red rust.



Exposed to rain and condensation (after several weeks)

The coating forms a zinc and magnesium based film that migrates to the cut edge.



Extended exposure period (over one year)

Disappearance of red rust and increase in the protective layer.



The speed of self-repair depends on the environment and thickness.