



Use of stainless steel fasteners with galvanized components

The intensity of contact corrosion between dissimilar metals depends on the following factors: the electrical conductivity of the electrolyte, the difference in the two metals' electrochemical potential, the exact shape of the partial current density curves, and the area ratio of the conductive metals.

The area ratio of the dissimilar metals plays a subordinate role in atmospheric corrosion, as contact corrosion only takes effect in a very limited area.

In light of the above considerations, the stainless steel fastenings are nobler than the galvanized components, and the use of these fastenings may be regarded as entirely unproblematic.

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