

ABSTRACT

The present invention provides a surface treated steel sheet for electronic components simultaneously satisfying the solder wettability, whisker-proof property, and stability of appearance with aging while not containing hazardous substances with environmental impact such as lead and chromium and a method of production of the same, that is, a surface treated steel sheet for electronic components comprising steel sheet or Ni plated steel sheet plated with Sn and Zn and then treated by thermal diffusion or plated with Sn-Zn alloy to form an Sn-Zn alloy layer, wherein said Sn-Zn alloy layer is deposited in an amount of 3 g/m² or more, the Sn-Zn alloy layer has a Zn (weight)/Sn (weight) ratio of 0.001 to 0.1, preferably 0.001 to 0.01, and this Sn-Zn alloy layer has an inorganic coating mainly comprised of phosphoric acid-zinc-magnesium in a P+Zn+Mg deposited amount of 0.1 to 100 mg/m², preferably 0.1 to 10 mg/m².