

ABSTRACT

5 A zinc or zinc alloy plated steel sheet expressing a
performance provided with both corrosion resistance and
surface conductivity is provided. The zinc or zinc alloy
plated steel sheet of the present invention is a zinc or
zinc alloy plated steel sheet having an arithmetic
average roughness Ra of a zinc-plated layer surface
defined by JIS B 0601, obtained by a stylus-type surface
10 roughness meter defined by JIS B 0651, of 0.3 μm to 2.0
 μm and a maximum peak height Rp of 4.0 μm to 20.0 μm ,
wherein the arithmetic average roughness Ra (peak)
obtained by measuring a range of evaluation length of 20
 μm of peak parts of 80% or more of the Rp by an electron
15 beam 3D roughness analyzer is 70% or more of the
arithmetic average roughness Ra (average) obtained by
measuring a range of evaluation length of 20 μm of parts
of a height of $\pm 20\%$ about an average line, obtained by a
stylus-type surface roughness meter, by an electron beam
20 3D roughness analyzer.