CLAIMS

Claim 1. A coated steel product comprising a base steel, and a coating layer containing a Zn-Al-Mg alloy layer disposed on a surface of the base steel,

wherein the coating layer has a chemical composition containing, in % by mass:

Zn: greater than 65.0%,

Al: from greater than 5.0% to less than 25.0%,

Mg: from greater than 3.0% to less than 12.5%,

Sn: from 0% to 3.00%,

Bi: from 0% to less than 5.0%,

In: from 0% to less than 2.0%,

Ca: from 0% to 3.0%,

Y: from 0% to 0.5%,

La: from 0% to less than 0.5%,

Ce: from 0% to less than 0.5%,

Si: from 0% to less than 2.5%,

Cr: from 0% to 0.25%,

Ti: from 0% to 0.25%,

Ni: from 0% to 0.25%,

Co: from 0% to 0.25%,

V: from 0% to 0.25%,

Nb: from 0% to 0.25%,

Cu: from 0% to 0.25%,

Mn: from 0% to 0.25%,

Fe: from 0% to 5.0%,

Sr: from 0% to less than 0.5%,

Sb: from 0% to less than 0.5%,

Pb: from 0% to less than 0.5%,

B: from 0% to less than 0.5%, and

impurities,

the coated steel product including dendrite-shaped $MgZn_2$ phase having a surface roughness Sa of 50 nm or less on a surface of the Zn-Al-Mg alloy layer, wherein the surface roughness Sa is measured according to the method disclosed in the description,

an area ratio of the dendrite-shaped $MgZn_2$ phase having a surface roughness Sa of 50 nm or less being from 30% to 80% within a region of an observable field of view of 5 mm^2,

wherein the area ratio is measured according to the method disclosed in the description, and

among the dendrite-shaped $MgZn_2$ phase having a surface roughness Sa of 50 nm or less, a number of dendrite-shaped $MgZn_2$ phase having an area of 0.1 mm^2 or more being from 5 to 100 within a region of an observable field of view of 25 mm^2, wherein the number of dendrite-shaped $MgZn_2$ phase is measured according to the method disclosed in the description.

Claim 2. The coated steel product according to claim 1, wherein a content of Sn in the coating layer is from 0.05% to 3.00%, by mass %.