

Electro-galvanized steel Product name: Silver Top for soldering

Note: The characteristic values shown below are for reference only and are not guaranteed as characteristic values.

Features

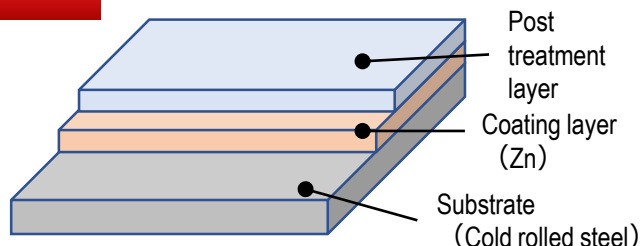


Diagram: Layer composition of Silver Top for soldering

★ The diagram shows only one side of the sheet.
The product has coated layer and post-treatment layer on both sides.

- ★ Solderable Zn coated material
- ★ Prevents whisker formation
- ★ Demonstrates shielding effect
- Ultra-thin substrates available (thickness min. 150μm)

Available sizes vary depending on the combination of product thickness, width, substrate hardness, etc.
Please feel free to consult with us any time.

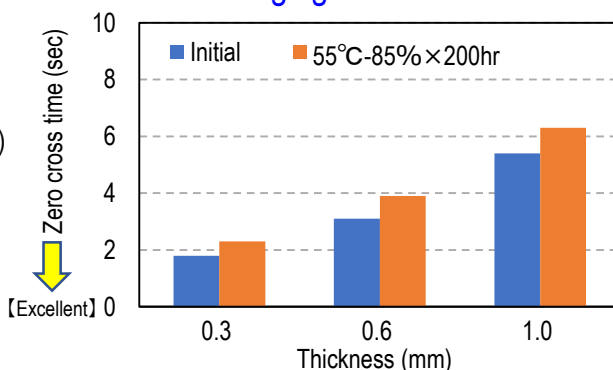
Functions

Solderability

Solderability evaluation conditions:

- Test Equipment: Dip Wetting Tester SWB-2
- Solder: Sn-3.0Ag-0.5Cu (M705 manufactured by Senju Metal Industries)
- Solder bath temperature: 245°C
- Immersion speed-depth-time: 20mm/s-2.0mm-10s
- Flux: Active type (Tamura Manufacturing EC-19S-8)

- ★ Maintains good solder wetting even after aging

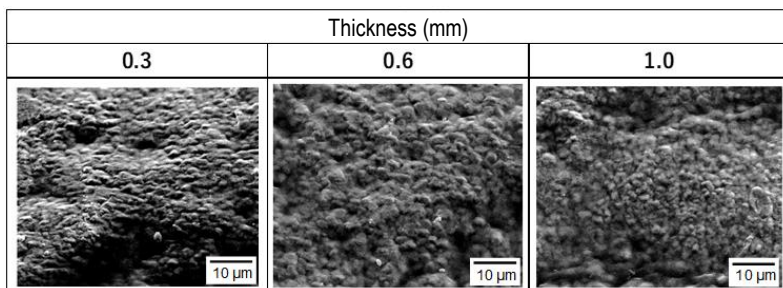


Whisker resistance

Whisker evaluation conditions:

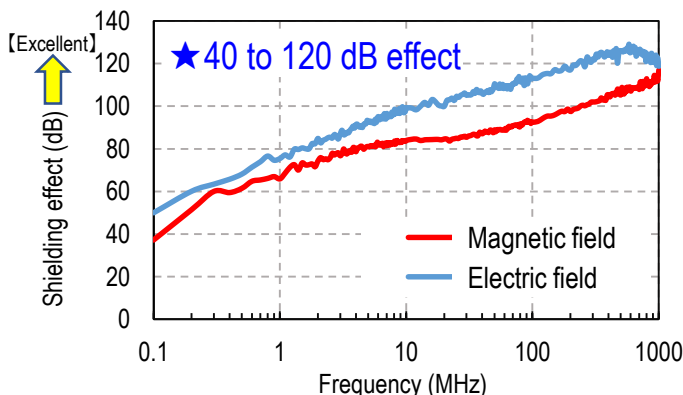
- Test Equipment
 - Constant temp. and humidity: 55°C-85%RH x 2,000hr
 - Sample shape: 90° bent
- Evaluation method
 - SEM observation of the valley (inside)

- ★ No whisker formation



Shielding properties

★ Representative characteristics of 0.3 mm in the KEC method
0.1-1000MHz (Magnetic / electrolytic shielding)



1-6GHz (Electromagnetic shielding)

