

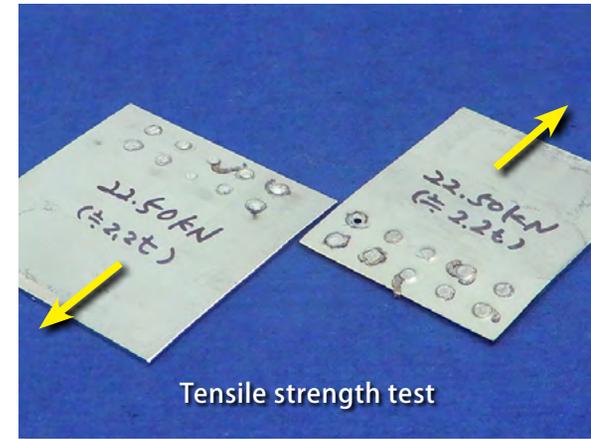
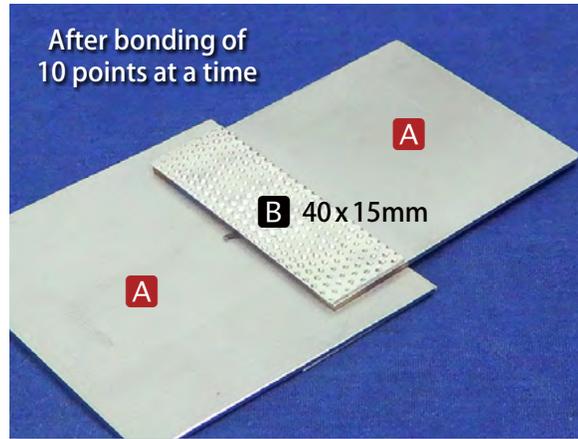


# SoundBonding application



## 〈Galvanized high-tensile strength steel〉

Very strong bonding of HTSS with no "Hydrogen embrittlement"

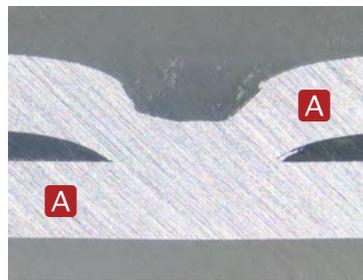


A NSAC980DL (t=1.0mm) of NIPPON STEEL (JAC980Y) B Bonded area

(Patent)

★ Metal bonding method for prevented "Hydrogen embrittlement problem"

- ★ Only sound energy is needed for bonding
- ★ Bonding at room temperature in atmosphere
- ★ Alloy diffusion bonding
- ★ Bonding by a few seconds
- ★ Low heat generation of bonded materials
- ★ No damage of SoundBonding tools and anvils



Cross section

Galvanized HTSS bonded to each other by one shot

Tensile strength : 22.50kN (≒ 2.2 ton)

