

METAL PLATE HAVING HOLLOW TUBES SANDWICHED THEREIN AND ITS USE**ABSTRACT**

Disclosed are a metal plate having hollow tubes sandwiched therein and its use. The metal plate
5 sandwiching hollow tubes (3) comprises a first panel (1), a second panel (2) and a plurality of
hollow tubes (3) between the first panel (1) and the second panel (2). Gaps are provided between
the hollow tubes (3). The hollow tubes (3) are connected to the first panel (1) and the second
panel (2) by soldering. The metal plate is a material used for building structures, vehicles, ships,
aircrafts, aerospace equipment, containers, bridges, roads, tunnels, rail foundations, furniture,
10 culverts, vacuum tubes or luggage materials. The metal plate having the hollow tubes
sandwiched therein has the advantages of light weight, high strength, small stress, high
temperature resistance, pressure resistance, heat insulation, heat preservation and vibration
isolation, and ensures that the metal plate will not deform due to heat differences and ensures the
service life

15 **FIGURE 1**