

VACUUM INSULATION PANEL MANUFACTURING METHOD, AND VACUUM
INSULATION PANEL

ABSTRACT

A vacuum insulation panel manufacturing method that makes it possible to manufacture low-cost, high-performance vacuum insulation panels, and a vacuum insulation panel are provided. This method of manufacturing a vacuum insulation panel (1) involves: a stacking step in which a first metal plate (20) is stacked on one side of an insulating core material (10), and in which a backing member (50) having an opening (51) and a second metal plate (30) having an evacuation port (32) are stacked, with the opening (51) and the evacuation port (32) stacking, on the other surface of the core member (10) in the order of backing member (50) and second metal plate (30) from the core member (10) side; a first welding step for welding outwards of where the core member (10) is arranged in the first metal plate (20) and the second metal plate (30); an evacuating step from the evacuation port (32) to create a vacuum in an inner area which is held between the first metal plate (20) and the second metal plate (30) and in which the core member (10) is arranged; and a laser welding step in which, in a state in which the inner area is made into a vacuum by the evacuating step, the evacuation port (32) is sealed by means of a sealing material (60) and the sealing

material (60), the second metal plate (30) and the backing member (50) are laser welded.

[Figure 7]