

ABSTRACT

A roof structure includes: a truss structure foundation corresponding to a roof base; a plurality of lock rails provided on the truss structure foundation; and a thermal insulation roofing material provided on the plurality of lock rails, and the thermal insulation roofing material includes: a metallic roofing material; a back side material; a thermal insulation material provided between the metallic roofing material and the back side material; and a male joint and a female joint provided at both ends of the thermal insulation roofing material in a flow direction. The plurality of lock rails are arranged from an eave to a ridge at working widths of the thermal insulation roofing material.

Figure 1 (a)