

INSULATION STRUCTURE OF MEMBRANE TYPE STORAGE TANK

【ABSTRACT】

An insulation structure of a membrane type storage tank is disclosed. The present invention relates to the membrane type storage tank comprising: a secondary insulation wall comprising a plurality of secondary insulation panels; a primary insulation wall which comprises a plurality of primary insulation panels, and which is disposed at the upper part of the secondary insulation wall; and a plurality of fixing devices provided at the upper parts of the secondary insulation panels to be coupled with the primary insulation panels, wherein the plurality of fixing devices are arranged on the center line of the secondary insulation panels in a width direction so that the movement of the fixing devices in the width direction is prevented, and the plurality of fixing devices are arranged to be spaced at equal intervals with respect to the longitudinal direction of the secondary insulation panels and slits are formed at locations spaced at equal distances in front of and behind each fixing device so as to prevent the movement of the fixing devices in the longitudinal direction, and thus the influence, caused by thermal shrinkage and hull behavior, on the fixing points of the fixing devices provided at the upper part of the secondary insulation wall is minimized.

Figure 1