

Thermally insulating and leaktight tank wall

ABSTRACT

The invention relates to a sealed and thermally insulating tank wall, the wall comprising:

a sealing membrane (6) comprising a corrugated metal plate;

a thermally insulating barrier (5) comprising a groove (27) extending in a longitudinal direction;

at least one welding support (26) borne by the thermally insulating barrier, the welding support (26) comprising a lower part (28) retained in the groove (27), an upper part (30) located on the thermally insulating barrier, an intermediate part (29) of the welding support (26) connecting the lower part (28) to the upper part (30),

wherein the at least one welding support (26) is slidably mounted in said groove (27) in the longitudinal direction, and the corrugated metal plate is welded to the upper part (30) of the welding support (26),

and wherein the upper part (30) of the welding support (26) is accommodated in a counterbore (32) adjacent to the groove (27), the counterbore (32) being formed in the thermally insulating barrier, so that the upper part (30) of the welding support (26) is located between the sealing membrane and the thermally insulating barrier and in the extension of the support surface (31).

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