

FLUIDTIGHT AND THERMALLY INSULATED TANK COMPRISING A METAL MEMBRANE THAT IS CORRUGATED IN ORTHOGONAL FOLDS

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ABSTRACT

A fluidtight and thermally insulated tank built into a load-bearing structure, the tank wall comprising:

10 - a thermal insulation barrier held on the load-bearing wall and made up of insulating blocks (1, 13), juxtaposed in parallel rows separated from one another by gaps (10),

 - a fluidtight barrier carried on the thermal insulation barrier and made up of welded metal sheets (11, 15).

15 Each insulating block carries, on the face of same opposite the load-bearing wall, two metal connecting strips (5, 6 and 14a, 14b) arranged in parallel to the sides of the insulating block. The sheets (11, 15) of the membrane carried by the insulating block are welded to the strips. The connecting strips are rigidly connected to the insulating
20 block carrying same. The sheets (11, 15) each have at least two orthogonal folds (12a, 12b, 16a, 16b) parallel to the sides of the insulating blocks (1, 13), said folds being inserted into the gaps (10) formed between two insulating blocks.

25 Figure to be published: 1