Sealed and thermally insulating wall for a tank for storing fluid

ABSTRACT

The invention relates to a sealed and thermally insulating wall for a tank for storing fluid comprising:

- a heat-insulating panel (1) having an inner face and a periphery; and
- a sealing plate (7) having an inner face designed to be in contact with the fluid contained in the tank and an outer face anchored to the inner face of the panel (1) in the region of a plurality of anchoring areas (14), said sealing plate (7) comprising at least one corrugation (8; 9) protruding from the side of the inner face of the sealing plate (7) extending in a direction d_1 (x; y); in which:
- the inner face of the heat-insulating panel (1) comprises a stress-relieving slot (15; 16) between two adjacent anchoring areas (14) arranged on either side of said corrugation (8; 9), said stress-relieving slot having an axis extending in the direction d_1 (x, y) so as to permit a deformation of the corrugation transversely to the direction d_1 (x, y); and
- the stress-relieving slot (15; 16) has a length which is less than the dimension of the heat-insulating panel (1) along the axis of the stress-relieving slot (15; 16).

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