

Abstract

Sealed and thermally insulating tank with anti-convection insulating seals

The invention relates to a sealed and thermally insulating tank including a thermally insulating barrier suitable for being anchored to a load-bearing structure, the thermally insulating barrier including a plurality of insulating panels juxtaposed in a regular pattern, two adjacent insulating panels defining an inter-panel space, said inter-panel space including an outer portion and an inner portion superposed in the direction of the thickness of the thermally insulating barrier, the outer portion being suitable for being situated close to the load-bearing structure and the inner portion being close to the inside of the tank, the tank further including insulating seals (11, 12), said insulating seals (11, 12) including:

- two outer insulating seals (11), said outer insulating seals (11) being arranged juxtaposed in the outer portion of the inter-panel space so that they have two adjacent edges (13), and
- an inner insulating seal (12), said inner insulating seal (12) being arranged in the inner portion of the inter-panel space, the inner insulating seal (12) being superposed in the direction of the thickness of the thermally insulating barrier on the two outer insulating seals (11) so that it covers the two adjacent edges of said outer insulating seals (11).

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