

Calculation form for rectangular tanks

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Customer**Street****Postal Code/Town****Phone****Fax****E-mail****Geometries (in mm)**

L = _____ W = _____ H = _____

Desired wall thickness s = _____

Max. filling height FH = _____

Density filling medium (in g/cm³) _____

Material _____

Reinforcements

- Cross-ribbed side walls
- Tension rod
- Only circumferential reinforcements

Bottom of vessel

- Bottom rests on absolutely flat base
- Cross-ribbed vessel with capping pieces

Useful life

- ≤ 0.5 years ≤ 5 years
- ≤ 10 years ≤ 25 years

Operating conditions

Max. service temperature (°C)/proportion of time (%)*

_____ / _____

Min. service temperature (°C)/proportion of time (%)*

_____ / _____

* for determination of mean temperature according to Miner

Load exposure

- Permanent load at consistent temperature
- Permanent load at alternating temperatures and filling heights
- Alternating load under extreme service conditions

In case of damage, potential danger to humans?

- Yes No

Welding methods

- Heated-element butt welding
- Extrusion welding
- Hot gas draw welding

Chemical load

Medium	Concentration (%)	Proportion (%)

Remarks

If possible, please enclose a sketch or technical drawing.

Date/Signature
