

Qu'est-ce que la Densité relative?



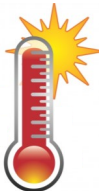

Water is used as a reference body for the density of liquids and solids.
For reference, the specific gravity of water is 1.0.

When it is said that the tank has a specific gravity of 1.5 for example, this means that it can contain a liquid which has a maximum density of 1.5 at 20 ° C.

- The specific gravity of a liquid is always measured at 20 ° C.
- If the density of the liquid is greater than the density of the tank, the walls of the tank may swell and break under pressure.
- Higher is the temperature of a liquid, more its specific gravity increases, while the density (capacity) of the tank decreases.
- Anticipate a higher specific gravity tank if you use it outside during the summer or if you put a hot liquid in it (max. 49 °C).
- Depending on the model of the tank, the specific gravity is 1.5, 1.7, 1.9 or 2.0. For specific needs, we offer 2.2 on request.

Conversion Chart of Relative Density

Relative density	Liquid weight at 20 ° C	Reference with water	Temperature Effect on the density of the liquid and the tank
1.0	8.34 lb / US Gallon	Relative density of water = 1.0 1 US Gallon = 8.34 lb 3.79 litres = 8.34 lb	<p>An increase of the liquid's temperature considerably decreases the rating of the specific gravity of the tank.</p> <p>** The higher the temperature of a liquid increases, its relative density increases, while the density (capacity) of the tank decreases.</p> <p>Always anticipate a greater density of the tank if you plan to use in conditions where the temperature is not controlled (if it exceeds 20 ° C) or if you heat the liquid.</p>
1.5	12.50 lb / US Gallon		
1.7	14.16 lb / US Gallon		
1.9	15.83 lb / US Gallon		
2.0	16.66 lb / US Gallon		
2.2	18.32 lb / US Gallon		

Maximum temperature of the liquid	Minimum temperature of the liquid	U-V Exposure
The tanks may contain continuous liquid at a maximum temperature of 49 °C / 120 °F. 	The minimum temperature is just above that of the liquid freezing point. The tanks can crack if a liquid freezes inside. 	All tanks dispose of a U-V rays inhibitor for outdoor use. 