

Tank Pontoon:

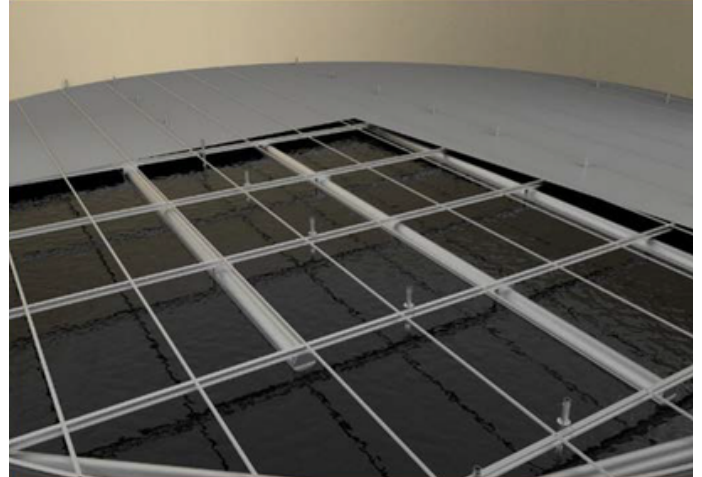
Internal Floating Roof – Pontoon Type

Design and Construction:

The aluminium internal floating roof is a cost-effective, proven internal floating roof technology that has been protecting stored liquid products in aboveground storage tanks for over 30 years.

Constructed of corrosion-resistant aluminium alloy, the interconnecting grid structure provides a high strength-to-weight ratio that easily handles loads generated by product turbulence and inspection personnel.

Our structural design parameters were developed utilising the guidelines of API Standard 650 Appendix H.



Characteristics and Advantages:

- The assembled structure complies with the design requirements of API 650 Appendix H. Calculation and design are carried out in accordance with Eurocode, using matrix methods of structural analysis.
- The construction material is 100% aluminium in accordance with API 650 Appendix H (stainless steel versions available on request).
- The materials are compatible with a broad range of stored products.
- It is strong enough to support all sealing systems, including both primary and secondary metal seals.
- Extruded structural beams are bolted with a continuous groove to prevent leakage of vapours.
- Extruded aluminium floats have no longitudinal welds to improve safety and increase working life. Pontoons are tested under pressure at the factory.
- All components fit through the manway for quick, easy installation.
- Available in either aluminium or stainless steel models for complete chemical compatibility.
- Its combination with an aluminium geodesic dome provides maximum control of losses or emissions and maximum utilisation of storage capacity.

