

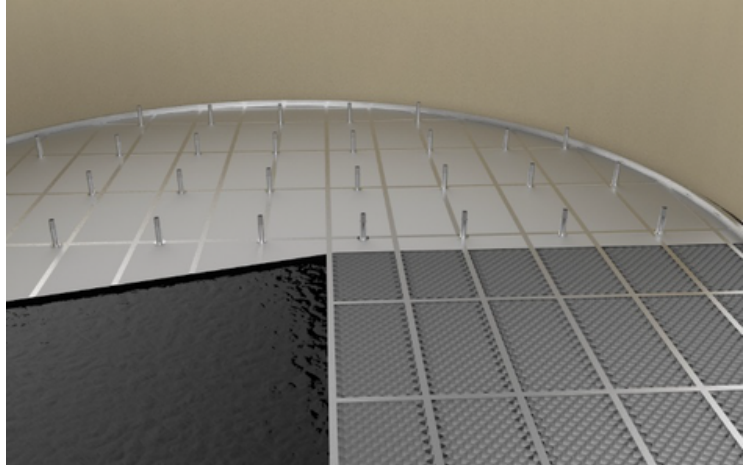
Tank Contact:

Internal Floating Roof – Full Contact (HC)

Design and Construction:

The Internal Floating Roof 'Full Contact' is designed to solve the problems of escaping emissions. The full-contact roof is in total contact with the product, completely eliminating the vapour layer in accordance with API 19.2.

The roof is composed of individual modules of lightweight 'honeycomb'-type panels that join to form a floating screen in contact with the product. Each individual panel behaves as an independent floating component. The complete assembled structure is very strong, stable and safe for personnel access, and meets the design requirements of API 650 Appendix H.



The roof is composed of main panels sized for easy assembly in the field, and special panels that fit around the perimeter, so the structure adapts to any tank diameter.

Characteristics and Advantages:

- The construction material is 100% aluminium, according to API 650 Appendix H (stainless steel versions available on request).
- Its combination with an aluminium geodesic dome provides maximum control of emission losses, as well as maximum use of storage capacity.
- The materials are compatible with a wide range of stored products.
- It employs a single-panel design. Each module is fully tested in the factory to verify vapour tightness and can be individually inspected in the field.
- It does not use complex or hazardous materials inside.
- It does not use supports that perforate the platform, either using cables or legs to support the roof. This reduces leakage losses from drilling to very low levels compared to traditional carbon steel screens.
- It is strong enough to withstand all sealing systems, including both primary and secondary metal seals.
- A lightweight structure with exceptional strength, using patented construction techniques.

