



GENERAL INFORMATION

The “Full Contact” floating cover is a new way to solve emission problems. The cover is in full contact with the product, removing completely the vapour layer according to API 19.2.

The cover is composed by individual modules made of light panels that are joined to form a complete floating cover in contact with the product. Each individual light panel behaves as an individual floating compartment. The completely assembled structure is extremely strong, stable and secure for the personal access and it complies with all regulatory requirements of its design; API 650, Appendix H.

The structural strength is provided by a mechanical fastening for the bottom of the panels.

In the fabrication process, each panel is tested to assure the water lightness of the vapours.

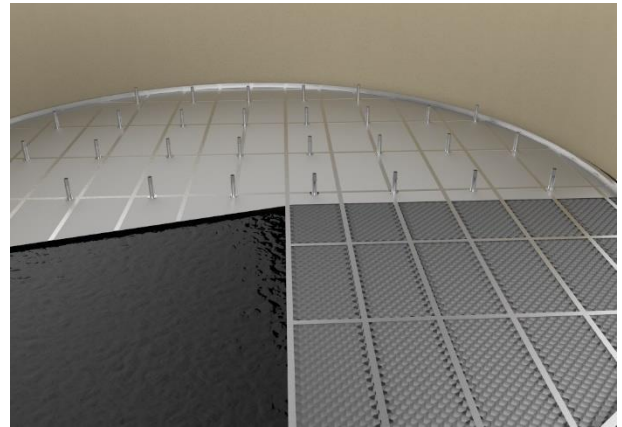
The cover is made of principal panels dimensioned for an easy field assembly and of special panels that are fit around the perimeter so that the structure can be adapted to all kind of tank diameters.

The internal side of the cover is in contact with the product and the topside is the surface where the operator can move.

The “Full Contact” floating covers prevent the accumulation of the vapour in the roof so that the emissions are greatly reduced.

DESIGN FEATURES

- The assembled structure complies with the design requirements; API 650 Appendix H.
- The construction material is 100% Aluminum in accordance with API 650 Appendix H.
- The materials are compatible with a broad range of stored products.
- It uses a unique panel design. Each module is tested in the Factory to check the tightness of the vapours and it can be individually inspected on field.
- Complex or dangerous materials are not used in its interior.



- There are not used supports that perform the platform. This reduces the leakage losses because of the low perforation levels compared with the traditional carbon steel covers.
- It is strong enough to support all the sealing systems including all the primary and secondary metallic seals.
- Light weigh structures with an exceptional strength using patented construction techniques.
- The design of the “Full Contact” cover increases the security against the vapour ignition by external sources.
- Its combination with an Aluminum Geodesic Dome provides a maximum control of losses or emissions and the maximum utilization of the storage capacity.