



**MATRIX APPLIED
TECHNOLOGIES**

FlowDome™

Setting a new standard in quality and performance, Matrix Applied Technologies brings together the very latest in design technology and decades of real-world experience to provide our customers with the industry-leading geodesic FlowDome™.

Meeting or exceeding standards set in API 650 Appendix G, every aspect of the FlowDome is custom-engineered to your specifications, including design loads, to provide maximum protection and asset life with minimum maintenance expense.

The dome and any modules such as platforms, bird screens, skylights or inspection hatches are pre-cut at the factory to ensure precise fit-up, and then packed to ensure fast, easy assembly and installation on-site.

A HIGHER STANDARD IN PRODUCTS.

The FlowDome™ can also be installed while the tank is in-service and can be engineered for new tanks or retrofitted.

FlowDome™ Features

FLUSH BATTENS

Flush battens and main roof panels mean that sealing around the hub is easier. Water drains away and the dome hub is better able to seal across both the battens and roof panels because they are all on a similar plane.

ANODIZED HUB COVERS

Anodized hub covers give enhanced corrosion resistance as well as enabling silicone sealing around the hub to more effectively adhere to the hub. The unique hub cover design ensures that the bulk of applied silicone sealing is hidden from the sun and environment.

LOCK BOLTS

Lock bolts at hub connections ensure a pre-determined uniform tension is applied to all structural connections. These bolts become permanent fasteners.

BATTEN SCREWS

200mm pitch batten screws and deep section battens ensure constant sealing pressure is applied along the main struts thereby giving a leak free panel-to-strut joint.

SCREW RAILS

Two extra screw rails for secure connection of walkways and other roof top attachments. Other manufacturers make roof appurtenance connections through the central battens which can cause leaking as the walkways or other roof attachments move causing the panel clamping batten to move. Panel sealing may be compromised.

