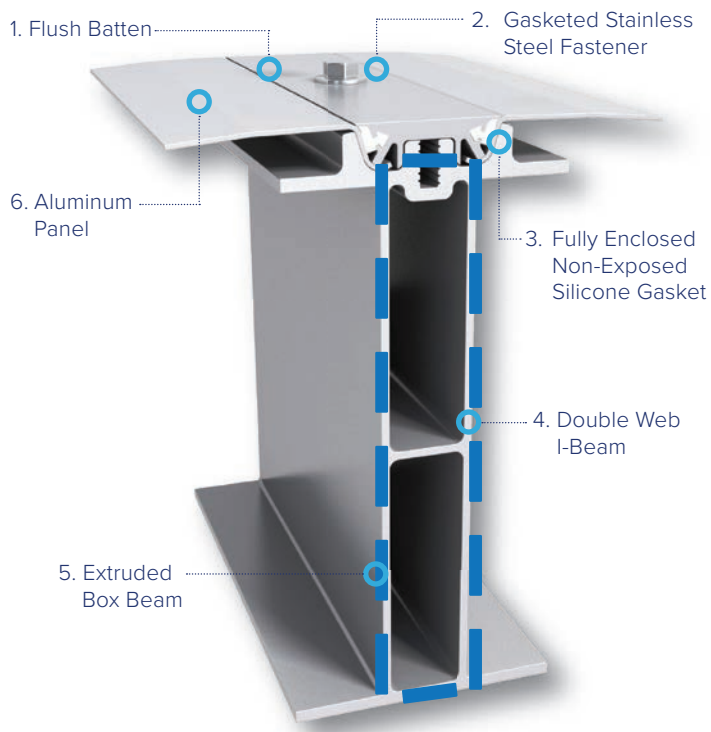


# OptiDome®

## Petrochemical Aluminum Dome Data Sheet

**CST**



The flush batten OptiDome® is a next generation geodesic dome from CST. Combining premium features and incorporating the engineering experience and heritage of Temcor and Conservatek®, OptiDome sets a new standard in engineered aluminum cover technology.

CST's advanced OptiDome design complies with API 650G, Eurocode and the latest torsional buckling requirements adopted by the Aluminum Design Manual and International Building Code (IBC 2012).

1. OptiDome's flush batten seal technology increases water shedding and eliminates ponding, even on a low profile design, while providing a water-tight cover solution.
2. Gasketed stainless steel fasteners provide extra security for a water-tight connection and corrosion prevention.
3. Featuring a fully enclosed non-exposed silicone gasket design, the batten protects against ultra-violet exposure and seal degradation.
4. The Double Web I-Beam, combined with aluminum's excellent strength-to-weight ratio, provides reliable performance under the most stringent environmental conditions including heavy snow loads and high wind speeds.
5. The extruded box beam prevents buckling failure with less material than I-Beams.
6. Aluminum panels are lightweight and offer superior corrosion resistance, low lifetime maintenance, fast & low-cost construction and are 100% recyclable.



## Next Generation Aluminum Geodesic Dome



**Efficient in design.**  
**Distinctive in appearance.**  
**Unsurpassed in quality and value.**

Every CST aluminum cover is custom designed to meet the specific requirements of each project and be engineered for any snow, wind or suspended load capacity, as well as span-to-rise-ratio. With the ability to cover freespans of 900 feet or more, OptiDome offers a wide range of applications without unsightly beams, girders or columns.

At the core of OptiDome is its superior, batten seal technology. This system increases water shedding and eliminates ponding, even on a low profile design, while providing a water-tight cover solution. Featuring an enclosed gasket design, the batten protects against ultra-violet exposure and sealant degradation.

CST has combined proven dome design with modern engineering and materials to produce the flush batten aluminum geodesic dome design which offers significant economic advantages. In addition to the optimized design and superior seal technology, the OptiDome has a smooth, sleek appearance. CST is the only dome manufacturer that offers a design with no external sealant required at the nodes.

When you buy an OptiDome you purchase a product that is Made in America from a company that has over 125 years' experience.

Contact us today to get the most functional, long lasting dome solution from the world's leading dome manufacturer.

# OptiDome®

For more information call +1 844-44-TANKS or visit us online at [cstindustries.com](http://cstindustries.com)

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