

DEFENDER™
Structural Tank Covers

RADIAL ARCH COVER



WEB TRUSS COVER

ECONOMICAL ALTERNATIVE TO ALUMINUM COVERS

DEFENDER™ Structural Tank Covers offer a cost effective alternative to expensive aluminum or fiberglass roofs. Our innovative modular covers are constructed from structural aluminum frames with integrated reinforced geomembrane cover panels to provide years of reliable service. The attractive low profile design reduces internal volume and the unique mechanical attachment system provides a positive seal against new and existing tank surfaces. The result is a high quality tank cover that provides years of trouble free service while costing much less than alternative designs.

ODOR CONTAINMENT

- Prevent Evaporation and Escaping Fumes
- Low Profile Design Minimizes Internal Volume
- Mechanical Perimeter Seal Contains Emissions

THERMAL RETENTION

- Isolate Thermal Air Masses
- Maintain Optimal Treatment Temperature
- Prevent freezing

ALGAE CONTROL

- Eliminate UV Light Penetration to Prohibit Algae Growth
- Reduce Equipment Maintenance
- Improve Filter Performance

DEFENDER™

Structural Tank Covers



HINGED EQUIPMENT ACCESS DOORS



PIPE PENETRATION BOOT



LOUVERED VENT



QUICK INSTALLATION

CUSTOM BUILT FOR YOUR TANK

Every *DEFENDER™* Structural Tank Cover is custom designed and built to fit your specific tank profile. With nearly 40 years of fabrication experience with geomembrane materials and structural components, Environetics has developed a variety of exclusive details and accessories to ensure that our *DEFENDER™* Structural Tank Cover will meet your project requirements. Consult our Design Department for material specifications, design details, and expert advice regarding to your tank cover project.

STRUCTURAL TANK COVER DESIGN FEATURES

ENGINEERING

- Designed to Meet IBC Load Requirements
- Engineered Trusses Maintain Structural Integrity
- Engineering Report and Stamped Drawings Available

STRUCTURAL COVER COMPONENTS

- Clear Span Series 6000 Structural Aluminum Frames
- Field Proven Reinforced Geomembrane Cover Fabric
- Outstanding UV and Chemical Resistance

ACCESSORIES

- Hinged Equipment Access Doors
- Manway Access Hatches
- Grated Walkway Liners
- Louvered Aluminum Vents
- Odor Control Ductwork Connections
- Valve Access and Sampling Ports

TURNKEY INSTALLATION

DEFENDER™ Structural Tank Covers install quickly and easily. The modular design reduces shipping costs and accelerates installation time in the field. Upon delivery, the modular components are assembled to form a continuous structure. Light weight modules can be assembled on the tank, or connected together in an adjacent area and lifted onto the tank by a crane. After placing the cover system on the tank the assembly is securely anchored and sealed to the perimeter of the tank structure. Environetics offers full turnkey installation of our *DEFENDER™* Structural Tank Covers.

