



CRYODECK

With decades of proven expertise in engineering tank products, Matrix Applied Technologies' CryoDeck delivers a robust, suspended insulation deck solution specifically designed for cryogenic storage applications. Engineered for safety, durability, and ease of installation, CryoDeck is the ideal choice for tank owners seeking long-term performance and value.

When it comes to cryogenic service where structural integrity and thermal performance are critical, Matrix Applied Technologies' CryoDeck stands above the rest.

BUILT TO LAST

**Durable. Compliant. Cost-Effective.
Superior Materials.**

A HIGHER STANDARD IN ENGINEERING

CRYODECK – SUSPENDED ALUMINUM INSULATION DECK FOR CRYOGENIC SERVICE

Engineered for Cryogenic Excellence

Fully Bolted System

CryoDeck is a completely bolted system—no on-site welding required. This not only enhances safety during installation but also ensures consistent quality and structural integrity across all components.

Ground-Level Assembly

CryoDeck is constructed entirely at ground level, then lifted while suspended from the tank's dome roof. Innovative design can accommodate roof diameters from 30 to 500 feet. This approach significantly reduces installation time, minimizes risk to personnel, and ensures precise fit.

Radial Structural Frame

CryoDeck features a radial frame design to which the sheeting is affixed. This design enhances load distribution, structural resilience, even under the extreme conditions of cryogenic service and provides alignment with steel dome rafters for equipment fit.

Suspended from Dome Roof

The finished CryoDeck is suspended from the tank's dome roof using sound aluminum extrusions. This eliminates cable fatigue and optimizes loading capacity with use of double shear pin connections.

API Compliant

CryoDeck is engineered to meet or exceed API 620 requirements and is fully compliant with industry standards for cryogenic storage.

Cryogenic-Ready Strength

CryoDeck is strong enough to support diverse insulation loads and equipment, even in the coldest cryogenic environments. Its robust construction ensures long-term reliability and minimal maintenance.

Fast Installation

With pre-engineered components and no field cutting required, CryoDeck installs quickly and efficiently—saving time and reducing total project costs.

Total Cost of Ownership

We understand the operational and financial drivers behind every tank project. That's why the CryoDeck is designed to deliver the best value over the life of the asset.

Choose **Matrix Applied Technologies' CryoDeck**—the suspended insulation deck that redefines performance in cryogenic storage.



For more information
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