

# Integrated Rim-Mounted Foam Dams For floating roof storage tanks

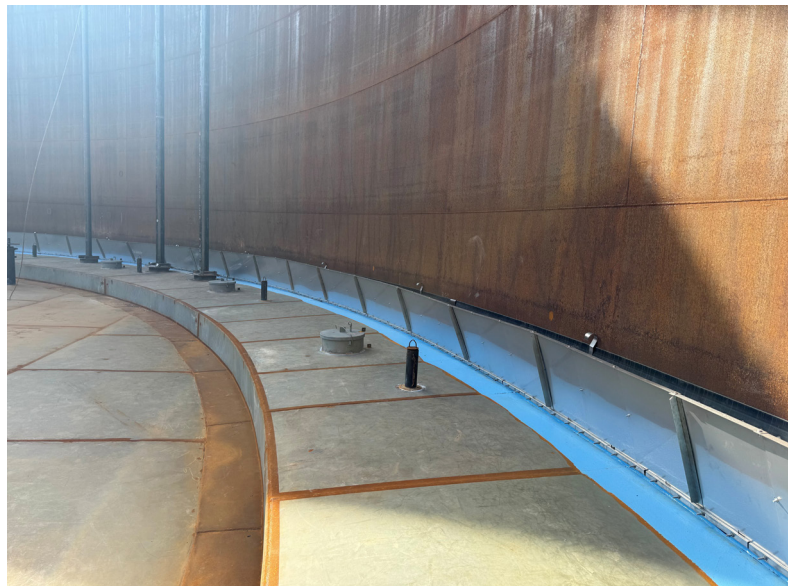
Engineered foam dam systems designed to support rim-space fire protection by helping contain and direct fire-fighting foam where it is needed most.

## Overview

**Integrated rim-mounted foam dams** are used on floating roof storage tanks to support fire protection within the rim space, where ignition risks can occur around the perimeter of the floating roof.

Installed at the rim of the floating roof, the foam dam creates a defined containment area that helps channel fire-fighting foam towards the source of a rim-space fire. This supports more effective foam application while helping reduce foam loss and improve response efficiency during emergency conditions.

DirecTank integrated rim-mounted foam dams are designed to accommodate roof movement, tank geometry, and operational requirements while providing a durable, corrosion-resistant solution for demanding aboveground storage tank environments.



## Design & Construction

**DirecTank integrated rim-mounted foam dams are engineered for strength, durability, and practical installation on floating roof tanks.**

Key design features include:

- Rim-mounted configuration designed for floating roof applications
- Stainless steel construction for corrosion resistance and long service life
- Designed to channel fire-fighting foam within the annular rim space
- Compatible with new or existing secondary seal arrangements
- All-bolted installation with no hot work required
- Bracing options available to minimise connections to the floating roof deck
- Suitable for retrofit or new-build tank applications

## Key Benefits



### Supports rim-space fire protection

Helps contain and direct fire-fighting foam within the rim space during emergency response.



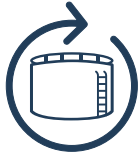
### Efficient foam containment

Creates a defined foam application area, helping reduce foam loss and improve fire-fighting effectiveness.



### Durable stainless steel construction

Corrosion-resistant components support long-term performance in demanding tank environments.



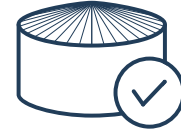
### Retrofit compatibility

Can be installed on existing floating roof tanks and adapted to suit previous foam dam configurations.



### No hot work required

All-bolted construction supports safer, more efficient installation during planned maintenance or retrofit works.



### Designed around seal systems

Can be configured to work with existing or new secondary seal arrangements.

## Key Features

- Rim-mounted configuration for external floating roof applications
- Stainless steel construction for corrosion resistance
- Designed to support annular rim-space foam containment
- Compatible with new or existing secondary seal systems
- All-bolted installation with no hot work required
- Multiple bracing options available
- Suitable for new installations and retrofit applications

## Applications

Integrated rim-mounted foam dams are suitable for floating roof tank applications including:

- Petrochemical storage tanks
- Fuel and hydrocarbon storage tanks
- External floating roof tanks
- Tank farms and terminals
- Retrofit fire protection upgrades
- Applications requiring rim-space foam containment

## Compliance & Standards

Integrated rim-mounted foam dams are designed to support recognised fire protection expectations for aboveground storage tanks, including applications where API Standard 650 and NFPA requirements are relevant.

System configuration should consider tank geometry, seal arrangement, foam application strategy, and site-specific fire protection requirements to ensure effective integration with the overall tank safety system.



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## About DirectTank

DirectTank Environmental Products supplies advanced sealing systems and emission control solutions for aboveground storage tanks. Backed by decades of industry expertise, DirectTank delivers reliable engineering solutions designed to improve environmental performance, operational safety, and long-term asset reliability.