

# Secondary Metallic Wiper Seal For External Floating Roof Tanks

Engineered secondary sealing solutions designed to enhance vapour control, maintain tight shell contact, and deliver reliable performance under dynamic operating conditions.

DirectFlex secondary metallic wiper seals provide durable, long-term sealing performance across petrochemical, fuel, and industrial storage applications.

## Overview

**DirectFlex Secondary Metallic Wiper Seals** are designed to provide effective secondary sealing for external floating roof tanks. Installed above the primary seal, the system enhances emissions control by maintaining a consistent, tight-fitting barrier against the tank shell.

The DirectFlex system is engineered to accommodate repeated dynamic loading and high cycle frequency, maintaining reliable contact even under demanding operating conditions. High-strength metallic components and resilient wiper tips ensure consistent performance across variable rim gaps and tank shell irregularities.

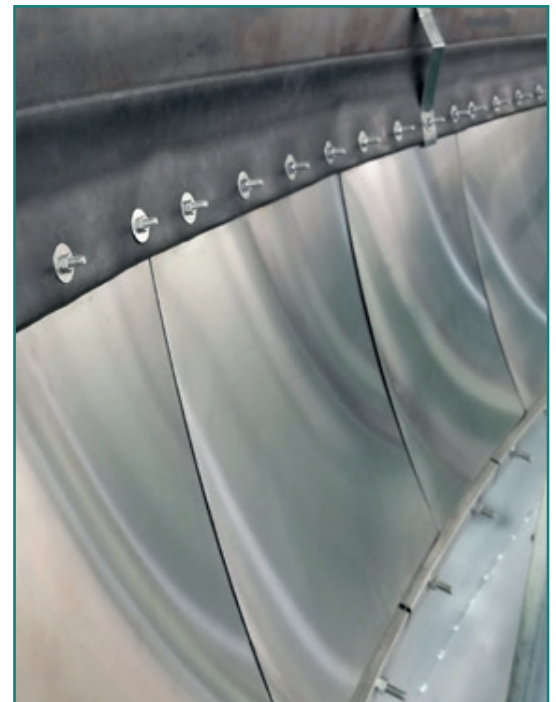
DirectFlex seals are suited to applications where durability, emissions performance, and long-term operational reliability are critical.

## Design & Construction

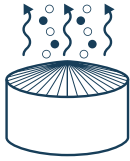
The DirectFlex seal incorporates a metallic wiper design engineered to deliver reliable secondary sealing performance in demanding external environments.

Key design features include:

- Metallic wiper construction maintains tight contact with the tank shell
- High-tensile stainless steel components provide continuous spring-back performance
- Designed to accommodate repeated dynamic loading and high cycle frequency
- Support plates allow flexibility across variable rim gaps and tank shell conditions
- Continuous vapor barrier fabric eliminates the need for unreliable gaskets
- Premium fabric options including polyurethane and PTFE (Teflon®)
- Custom protector clips shield vapor tip fasteners from tank shell contact
- Optional burn-out ports for firefighting foam system integration

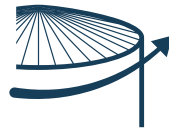


# Key Benefits



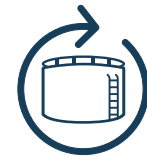
## Enhanced Vapour Control

Improves overall emissions performance by providing an effective secondary sealing barrier.



## Consistent Shell Contact

Maintains a tight fit against the tank shell across varying operating conditions.



## Designed for Dynamic Operation

Performs reliably under repeated loading, roof movement, and high cycle frequency.



## Durable Construction

High-strength metallic components ensure long service life and dependable operation.



## Flexible Installation

Suitable for installation in-service or during scheduled maintenance outages.

# Key Features

- High-strength stainless steel wiper components
- Continuous vapor barrier fabric system
- Independent support plate design for flexibility
- Wide compatibility across tank types and conditions
- Optional enhancements for fire protection systems

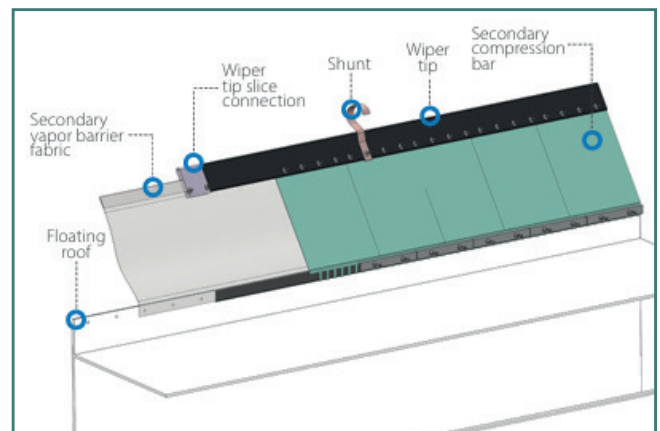
# Applications

DirectFlex Secondary Metallic Wiper Seals are suitable for:

- Petrochemical storage tanks
- Fuel and hydrocarbon storage tanks
- Industrial liquid storage facilities

# Compliance & Standards

Designed to support industry standards for emissions control, safety, and operational reliability, DirectFlex seals contribute to improved environmental performance and long-term asset protection.



DirectFlex Seal System Components



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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.