

Floating Roof Storage Tank Seals

Primary Tank Tube Seal (TB5)

General Information:

The TB5 Primary Tank Tube Seal is a liquid filled product, which is normally water, kerosene or other.

The seal design has been used on tanks with vary diameters, containing a full range of crude and refined products.

Design Features:

The TB5 Primary Tank Tube Seal design has a separate scuffband and tube. The scuffband is designed with a ribbed surface and produced in a nylon fabric coated with a hardwearing elastomeric material to withstand contact with the roughest part of the tank shell.

The seal tube can be different in sizes, ranging from 250mm to 350mm. This will depend on the overall tank size and the nominal rim space.

The tubeseal is normally manufactured in one continuous length but can be supplied in separate sections.

The seal tube is held between the scuffband with the roof rim being filled with liquid. That liquid is usually either kerosene or gas oil.

The liquid filled tube forces the scuffband against the tank shell, maintaining a firm contact of approximately 200mm deep when the tank is in operation.

As the tubeseal is product mounted - i.e. installed in contact with the stored liquid, the sealing efficiency is very high.

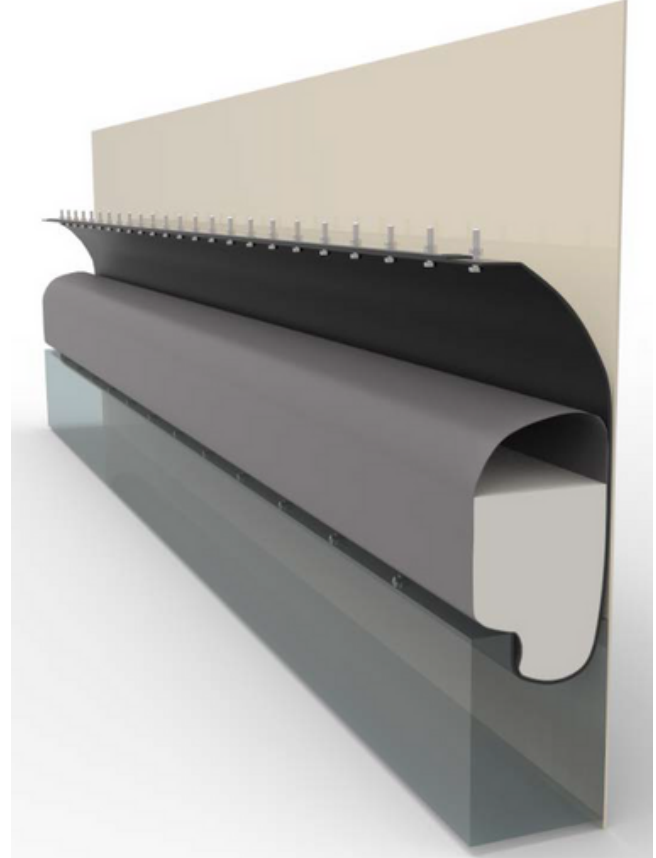
Accessories:

Secondary seals:

All the Secondary Seal designs can be used with the tubeseal replacing the weather shields shown.

Wax scraper:

A wax scraper system can be fixed below the roof to remove wax deposits from the tank shell when waxy crude oils are present in the tank.



Technical Data

Rim space: 200mm \pm 100mm (Standard)

Aromatic resistance: 75% (with special materials available to give service in 100% products).

Material Specification

Fabric reference: Nylon fabric covered with a nitrile-PVC elastomer.

Scuffband: 4.5mm minimum

Tube: 1.5mm minimum

Other

Full Seal Weight: 10kg per lineal meter

Estimated lifespan: 10 - 20 years