

Floating Roof Storage Tank Seals

Graver Primary Tank Seal (GVR)

General Information:

The Graver Primary Seal GVR® can be used on either external floating roofs or internal pan decks. This seal design has been used on tanks of long range of diameters, containing the full range of Crude and Refined products, though it is not generally used with waxy crudes.

Design Features:

The seal is designed to enable installation and removal to be carried out from the top of the roof.

The sealing effect between the roof and the tank shell is achieved by the use of special octagonal foam sections. The foam sections are held in position by an internal hold-down plate.

The position of the seal in service i.e. whether it is in contact with the stored product or, held above the stored product is determined by the top bolting position.

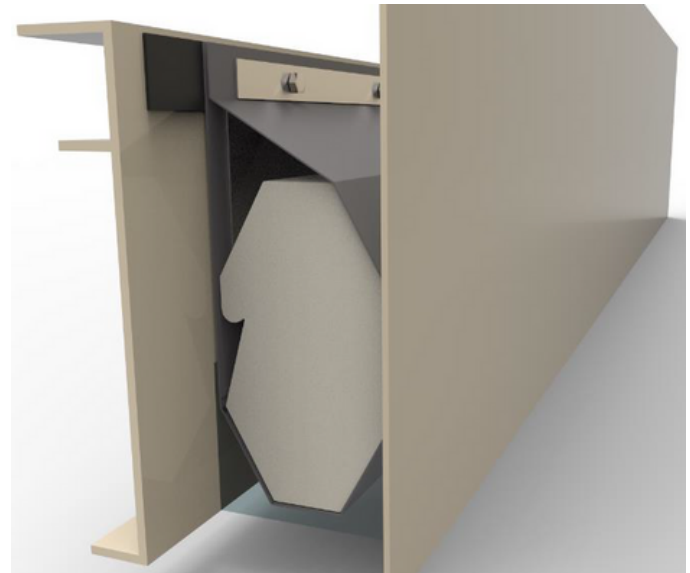
The hold-down plates and foam sections are encapsulated within a synthetic rubber seal-envelope. The seal envelope is produced from a highly abrasion-resistant coated fabric material to obtain an efficient soft sealing effect.

Weather shields can be installed as illustrated to help reduce the amount of rainwater entering the product, although in recent years it has proved more practically and economical to fit Secondary Seals.

When the Graver Foam Seal is product-mounted, i.e. installed with the stored liquid, the sealing efficiency is very high.

Accessories:

Secondary Seals: All our secondary seals can be used with this Seal.



Technical Data

Rim space: 200 ± 100 mm

Aromatic resistance: 100% (some specialist chemicals may require modified materials)

Material Specification

Two alternative standard envelope materials are generally used:

- Polyurethane Coated Nylon fabric 1.0 mm. thick.
- PVC Nitrile elastomer coated Nylon fabric 1.5 or 2mm mm. thick.

Other

Service life: 8 - 20 years.

Typical weight of complete seal: 20 kg per linear meter.