

# Graver Primary Tank Seal (GVR)

## General Information:

The Graver Primary Seal can be used on either external floating roofs or internal pan decks. This seal design has been used on tanks of large diameters, containing the full range of crude and refined products. However, 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.

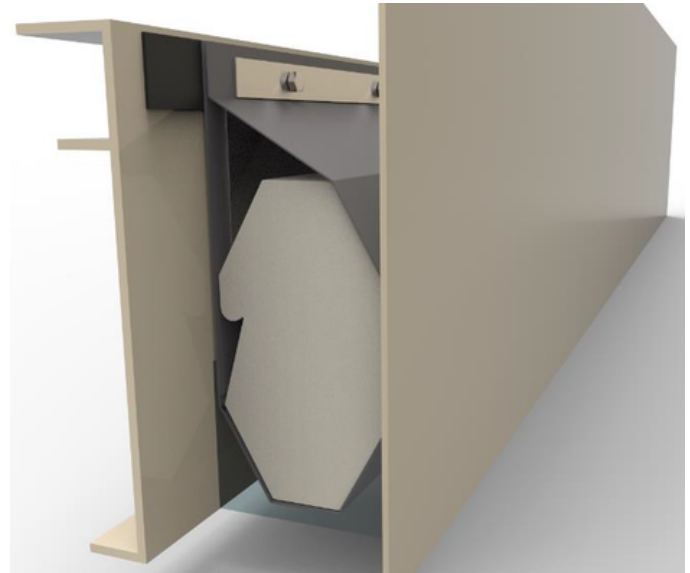
The hold-down plates and foam sections are encapsulated within a synthetic rubber seal envelope. The seal envelope is produced from a highly abrasion-resistant coated fabric material to obtain an efficient soft sealing effect.

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 practical and economical to fit secondary seals.

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

## Accessories:

**Secondary Seals:** All our secondary seals can be used with the Delta joint.



## 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.