

MODEL P1000 STOPBOARD

General Description

The AWE P1000 Series Stopboard is a flush bottom 3 sided sealing stopboard suitable for all types of flow control applications such as water and wastewater treatment plants, irrigation, flood control, hydraulic works and power plants.

The P1000 Series has a unique UHMWPE self-adjusting seal design that achieves leakage rates considerably less than those stipulated in DIN 19569-4.

AWE also designs and manufactures the P1000 Series stopboard with materials for more demanding service conditions. For more information please contact an AWE representative.

The P1000 Series stopboard is designed and manufactured in accordance with DIN 19569-4.

The standard P1000 model is manufactured in grade 316L stainless steel for the frame and marine grade aluminium for the board, which offers high corrosion resistance in many applications resulting in a longer life cycle with minimal maintenance. Other materials of construction combinations are available upon request, including duplex stainless steels.



Design Features

The P1000 series stopboard utilises an open top frame configuration with the below options:

- Square
- Rectangular
- Round Bottom

Mounting configuration options include:

- Embedded
- Face wall mount
- Side wall and floor mount



Other features include:

- Single piece or segmented boards to accommodate for manual handling or flow control
- Flush bottom design allows for raised or flush invert configurations
- Suitable for assisted lift or manual lift with either permanent lifting handles or lifting ladders
- Self-adjusting, low friction and wear resistant UHMWPE seals reduce sliding drag friction minimising the required operating effort and extending seal life
- Gate stiffening ribs are designed to avoid crevice corrosion
- AWE stopboards are factory assembled and tested eliminating the need for on site adjustment
- All fasteners are grade A4 class 70 stainless steel
- Storage racks available upon request

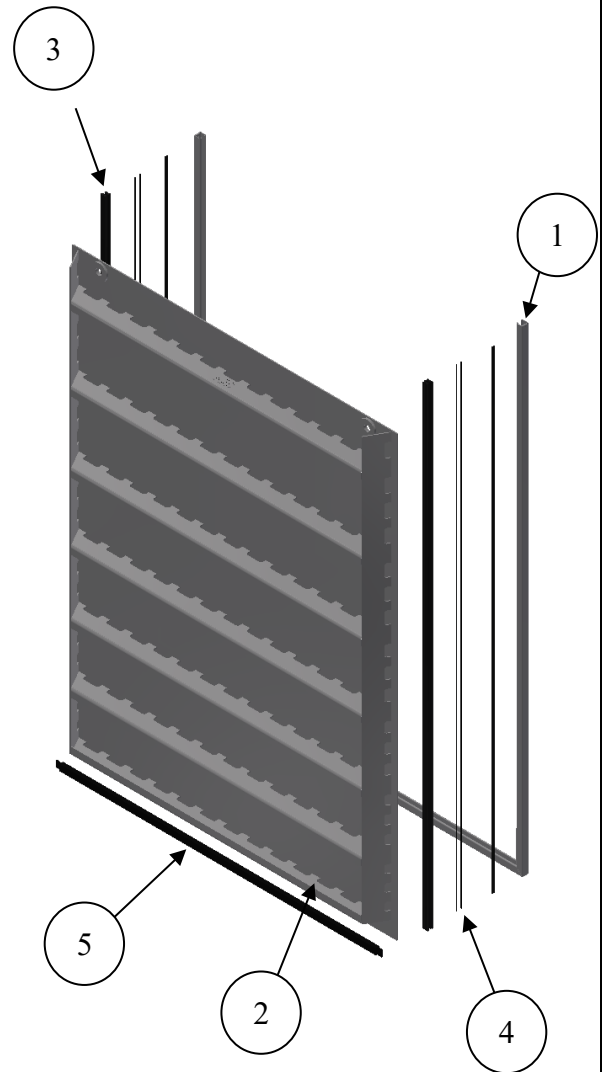
Performance

The leakage rate performance of the P1000 model stopboard is significantly lower than the maximum allowable leakage as defined by the recognised industry standard.

- P1000 Series = 0.4 Litres/minute/metre of seal
- DIN 19569-4 (Class 5) = 6L/min per m of seal

Seating and Off-seating Head

All AWE stopboards are designed in accordance with the project specific design heads as stipulated. Heads are measured from the invert of the stopboard to the maximum top water level. The combination of opening width and head is generally the limiting factor for the design capacity of any given stopboard.

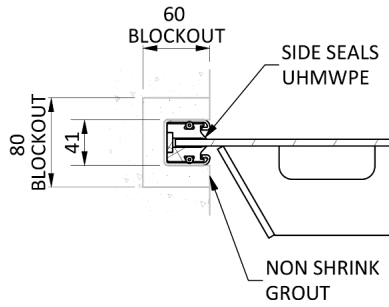


Item	Description	Material
1	Frame	316 Stainless Steel
2	Gate	Marine Grade Aluminium
3	Side Seals	UHMWPE
4	Compression Cord	EPDM
5	Bottom Seal	EPDM

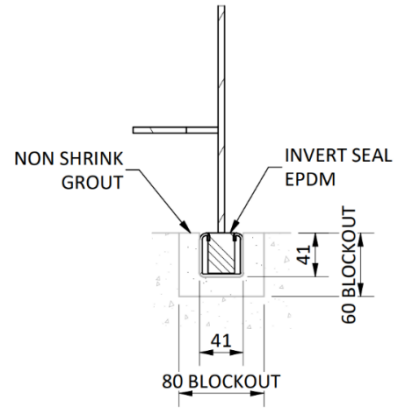
Other materials are available on request to suit specific project requirements

Mounting Configurations

Embedded (Bi-Directional)

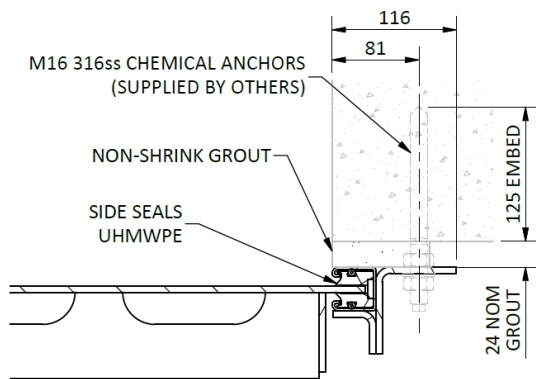


SECTION THRO' SIDE SEAL

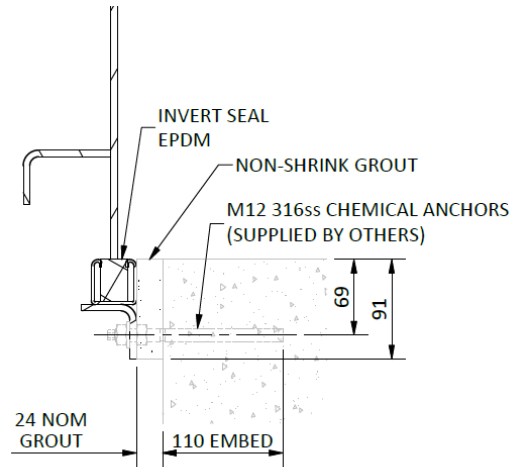


SECTION THRO' BOTTOM SEAL

Face Wall Mounted (Off-Seating)

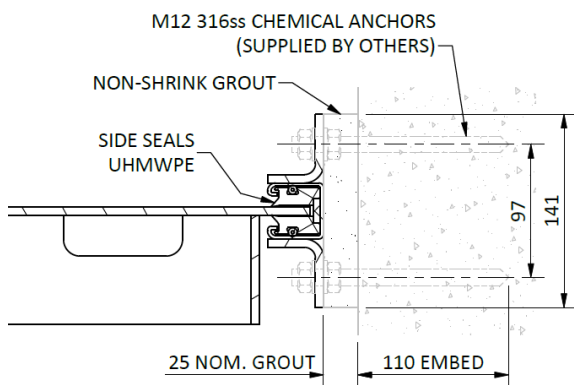


SECTION THRO' SIDE SEAL

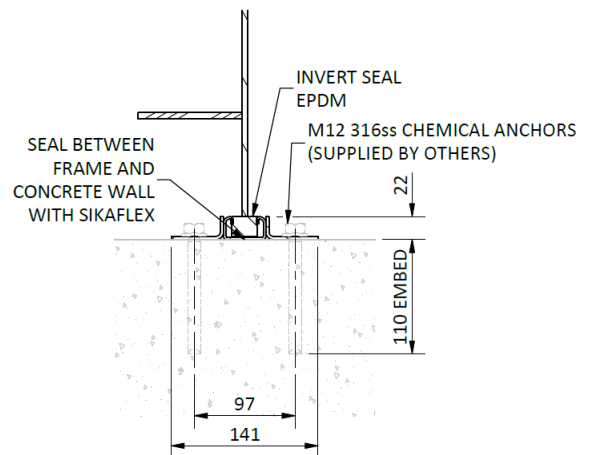


SECTION THRO' BOTTOM SEAL

Side Wall and Floor Mounted (Bi-Directional)

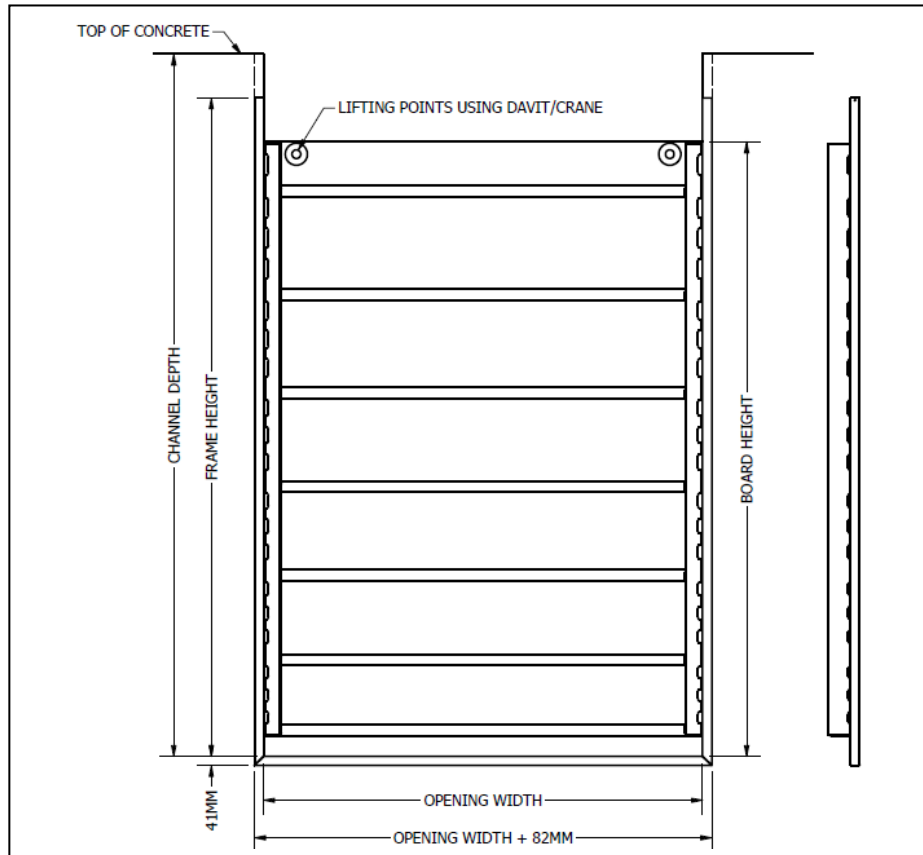


SECTION THRO' SIDE SEAL



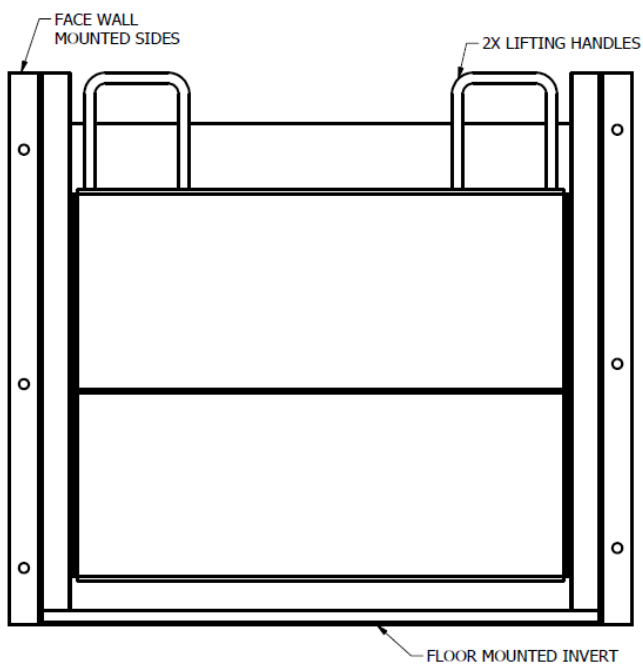
SECTION THRO' BOTTOM SEAL

Overall Dimension (Embedded)



Alternate Lifting Arrangements

Lifting Handles



Lifting Ladders (Segmented Stopboard)

