SPECIAL SOLUTIONS FLOOD PROTECTION

FLOOD READY. NZ WIDE

FloodBloc Wall

F50 and F80 modular flood barriers

FloodBloc Wall combines modular L-shaped boards, corners and end pieces for temporary flood protection. Choose F50 or F80 to suit your site.



Illustrative deployment of a connected barrier run

Choose the series

F50 — **50 cm**

Nominal protection height
Board height 52 cm

F80 — **80 cm**

Nominal protection height
Board height 82 cm

Choose the series to suit your site. Confirm ground conditions, operating water limits and the final configuration before use.

Connected deployment

Interlocking boards with stainless steel locking clamps.

Compact storage

Store connected groups of two or three boards on their sides.

Flexible layouts

Matching components for straight runs, corners and end connections.

Contact Allan 021 727 291

info@ssfloodprotection.co.nz | specialsolutionstrade.co.nz

SPECIAL SOLUTIONS FLOOD PROTECTION
FLOOD READY. NZ WIDE

FloodBloc Wall deployment

Second generation L-shaped system | Features and assembly sequence

1 Dual sealing

A compressible sponge seal and P-shaped EPDM gasket work together to limit leakage.

2 Revised joint geometry

Folded-angle joint faces are designed to spread stress across the connection.

3 Stainless steel locking

A locking clamp secures each connection between adjoining boards.

4 Reinforced contact points

Reinforcement at the sealing interface is intended to protect the contact area.

5 Compact storage

Connected groups of two or three boards can be stored on their sides.

Plan before deployment
Check the ground, expected water depth and flow, and the complete barrier layout. Confirm operating limits and site suitability before use. Allow for seepage and keep a safe flood response plan.

Assembly sequence

01 Confirm the deployment location.

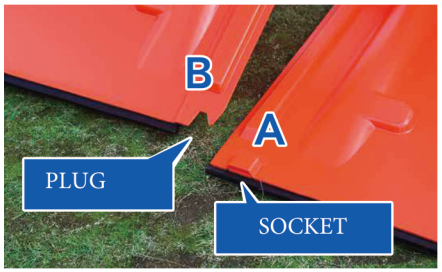
02 Clear debris and clean the ground.

03 Stand on the dry side with the board base facing the water.

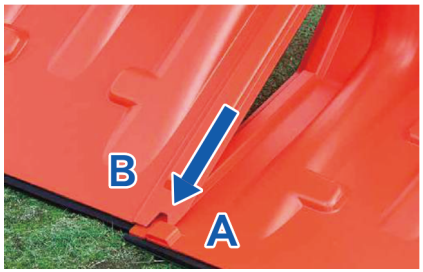
04 Start with the appropriate left end piece.

05 Connect successive boards to the right.

06 Finish with the appropriate right end piece against the wall.



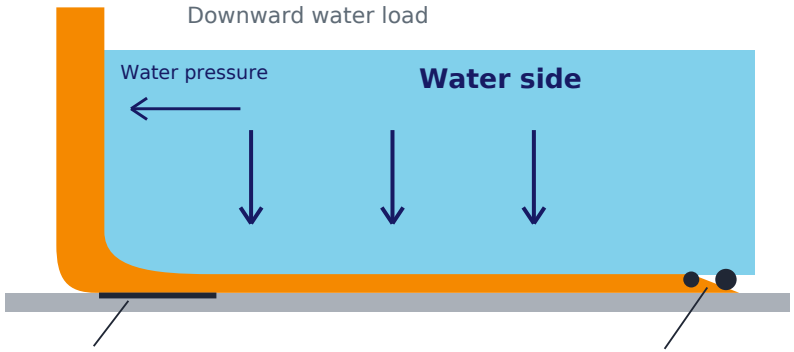
1. Align the plug and socket



2. Join the adjacent boards



3. Secure the locking clamp



How the system works
Water over the horizontal base adds downward load. Ground and joint seals help limit seepage. Surface condition, water depth, flow and correct assembly affect performance.

Schematic only, not to scale. Ask us about optional FS boards and confirm compatibility and availability for your layout.

Raised ribs on the upright face and base are designed to influence water flow and reduce impact. Performance depends on site conditions.

SPECIAL SOLUTIONS FLOOD PROTECTION
FLOOD READY. NZ WIDE

FloodBloc Wall F50 series

Nominal protection height 50 cm | All dimensions in centimetres

FZ50



Height	52
Depth	68
Width	70.5

FN50



Height	52
Depth	68
Top width	68
Base width	34

FW50



Height	52
Depth	68
Top width	40
Base width	73

FGL50 (R)



Height	52
Depth	68
Width	43

FJ50



Height	52
Depth	68
Width	57

FGL50 (L)



Height	52
Depth	68
Width	43

FG50 (R)



Height	52
Depth	68
Width	28

FT50



Height	52
Depth	68
Width	57-70.5

FG50 (L)



Height	52
Depth	68
Width	28

Check dimensions for your project. R and L identify right- and left-hand variants. Product photos are illustrative; branding has been updated for this brochure.

SPECIAL SOLUTIONS FLOOD PROTECTION
FLOOD READY. NZ WIDE

FloodBloc Wall F80 series

Nominal protection height 80 cm | All dimensions in centimetres

FZ80



Height	82
Depth	98
Width	70.5

FN80



Height	82
Depth	101
Top width	84.5
Base width	48

FW80



Height	82
Depth	98
Top width	48
Base width	86

FGL80 (R)



Height	82
Depth	98
Width	41

FJ80



Height	82
Depth	98
Width	57

FGL80 (L)



Height	82
Depth	98
Width	41

FG80 (R)



Height	82
Depth	98
Width	28

FT80



Height	82
Depth	98
Width	57-70.5

FG80 (L)



Height	82
Depth	98
Width	28

Check dimensions for your project. R and L identify right- and left-hand variants. Product photos are illustrative; branding has been updated for this brochure.

SPECIAL SOLUTIONS FLOOD PROTECTION
FLOOD READY. NZ WIDE

FloodBloc Wall applications

Configure the barrier for your site | Straight runs, corners and end connections



Stepped height transition

Two braced end pieces accommodate the step shown. Confirm the site arrangement, sealing and allowable limits. This is not a continuous-slope capability rating.



Wall-end connection



Adjustable transition

Handling and storage

Move and store boards in manageable groups. Keep two or three connected on their sides for compact storage and quicker deployment. Check transport and storage needs for your selected model.

Plan around the site

Build straight runs, curved arrangements, wall-end connections and doorway transitions with matching components. Choose the correct series and layout for your site.

Clear contact surfaces

Remove debris and check that seals contact the intended surface.

Check transitions and ends

Confirm the fit at walls, corners and changes in level before deployment.

Indicative sandbag comparison

Comparison	Boards	Sandbags
Single-unit example	1	19
Weight example	4.2 kg	475 kg
50 cm high x 10 m run	16	300

Illustrative quantities and weights, not model-specific ratings or a like-for-like protection test. Confirm actual board weight and quantities for your layout.

Confirm water depth, flow, ground conditions and end connections. Photos are illustrative; branding has been updated for this brochure.

SPECIAL SOLUTIONS FLOOD PROTECTION
FLOOD READY. NZ WIDE

FloodBloc Wall containment

Illustrative vehicle enclosures | For specialist assessment

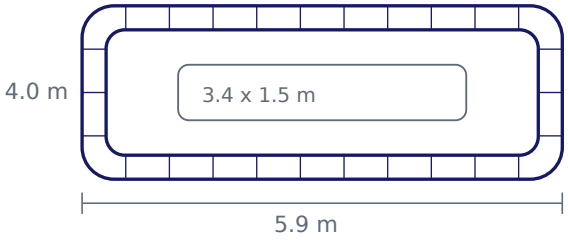


Vehicle enclosure demonstration

Connected boards form a temporary water enclosure around the vehicle shown here. Straight sections and corners can be arranged around the required footprint.

Specialist use only
These layouts illustrate containment, not approved firefighting procedures. Fire-extinguishing performance has not been established. Do not use these examples as instructions for an electric-vehicle fire. Fire response must be directed by qualified emergency services.

Illustrative enclosure layouts

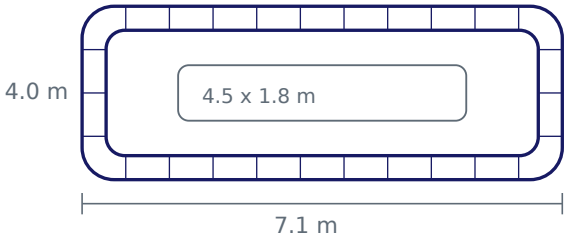


Mini vehicle

Vehicle 3.4 m x 1.5 m

FZ50 14 pieces

FN50 12 pieces

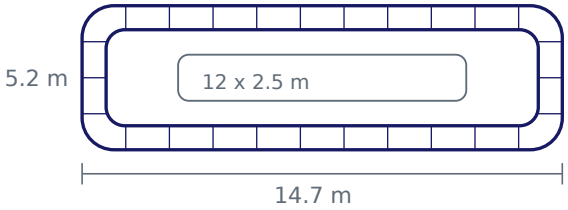


Regular vehicle

Vehicle 4.5 m x 1.8 m

FZ50 18 pieces

FN50 12 pieces



Large vehicle

Vehicle 12 m x 2.5 m

FZ50 46 pieces

FN50 12 pieces

Example dimensions and quantities are for planning only, not approved construction layouts. Schematics are not to scale. Please contact us to confirm availability of the 100 cm F100 series.

Discuss a site-specific configuration with SSFP

Allan 021 727 291 | info@ssfloodprotection.co.nz

SPECIAL SOLUTIONS FLOOD PROTECTION
FLOOD READY. NZ WIDE

How FloodBloc Wall works

Water loading, flow management, seals and stability

Working principle

The L-shaped profile combines an upright barrier with a horizontal base. Water over the base adds downward load, helping hold the boards against the ground.

Performance

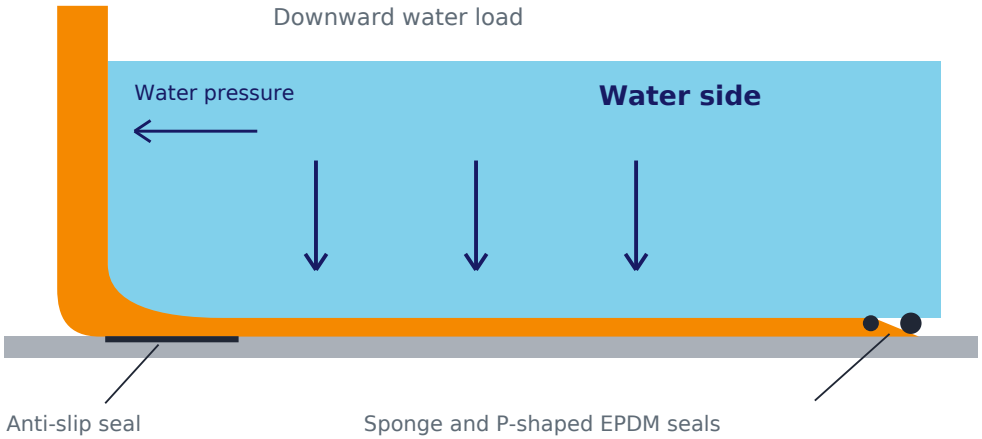
Raised ribs on the upright face and base are designed to slow and redirect water flow and reduce direct impact. Actual performance depends on water depth, flow, surface conditions and the layout.

Key seals

Bottom seals are designed to limit seepage where the boards meet the ground. A compressible sponge seal works alongside a P-shaped EPDM gasket. An anti-slip seal sits beneath the base. Keep the contact surface clean.

Fixing and stability

The L-shaped profile and downward water load help keep the assembly in position, while the board geometry redirects flow. Confirm allowable water depth, flow and the complete site configuration before deployment; rising water is not a guarantee of stability.



Schematic only, not to scale

Flood barriers in water



Flow around barrier sections



Water-filled modular arrangement

Illustrative demonstration scenes only, not evidence of permitted depth, flow resistance or watertightness. Confirm operating limits for the site. Branding has been updated.