NoFloods
By Environment Solutions

NOFLOODS BOXWALL

PRODUCT CATALOGUE 2024-2025

Self-sustaining modular flood barrier engineered to protect urban structures from flood damage

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NoFloods BoxWall

Strength in Water, Security in Design

The NoFloods BoxWall presents an easy approach to flood protection, harnessing the weight of water for its installation without the need for pumps or other equipment. This freestanding modular barrier system can be easily deployed on various surfaces before or during floods, leveraging floodwater as natural ballast to firmly anchor itself to the ground.

With its lightweight construction, deployment of the system is swift and uncomplicated, eliminating the need for specialised personnel.

Each module, available in widths from 70 cm to 1 meter, easily connects to adjacent units, forming a continuous and adaptable flood protection system. While the connection system varies slightly between models, the principle remains consistent.

The NoFloods BoxWall features specialised inward and outward corner modules that ensure optimal alignment and stability when forming curves and bends. These corner modules are specifically engineered to provide seamless transitions at corners, allowing for secure connections and smooth alignment even in complex configurations.

The barrier is optimised for urban settings with even asphalt surfaces. However, due to the detachable soft membrane on the FIN models or the additional use of the specialised NoFloods Membrane, the NoFloods BoxWall can be deployed across diverse terrains susceptible to seepage like grass, gravel, and sand.

No additional tools are required for installation. However, in windy conditions, additional ballast can be placed at the base of each barrier module for stability until the floodwater anchors it. Furthermore, the stackable design of the NoFloods BoxWall facilitates efficient transportation and storage, minimising space requirements.

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NoFloods BoxWall

Features & Benefits

The NoFloods BoxWall provides flexibility and versatility with its range of heights, allowing for efficient water containment up to 108 centimeters.

Material & Structure
Made from high quality ABS plastic and Injection molded with UV Protection ensure safe usage temperature of - 4 to + 95 °F

Rapid Deployment
The intuitive design with its quick click'n'connect locking mechanism units allows for rapid deployment.

Light weight
From 8.8 lbs - 28.7 lbs depending on model and protection height ensure easy installation.

Protection
The integrity of NoFloods BoxWall ensures efficient protecting against flood water.

Sealing Off Leakage
The foam on the bottom of the NoFloods BoxWall increases the friction and creates a seal towards the installation surface minimising the risk of potential leakage.

Optimised Storage
The compact and stackable design of the NoFloods BoxWall ensures that the barrier takes up minimal storage space.

Infinite Connection
The NoFloods BoxWall can be extended infinitely. Additionally models of different height can be connected using the NoFloods Membrane creating a barrier tailored to the specific need.

Sustainable
Due to the high quality ABS plastic with UV protection the NoFloods BoxWall can be reused again and again.

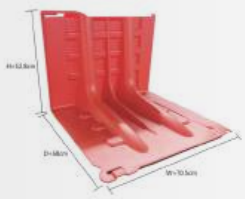
The NoFloods BoxWall is designed and manufactured using high-quality ABS plastic and advanced production technology, ensuring seamless construction and optimal compression stability. This precision-engineered process guarantees the structural integrity of each barrier, making it highly resistant to deformation or failure during use.

NoFloods BoxWall

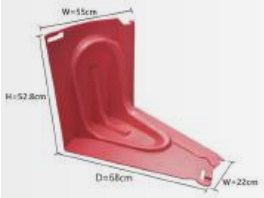
Models 50

The NoFloods BoxWall offers various protection heights and models tailored to your installation environment. For uneven surfaces, we recommend using the NoFloods membrane.

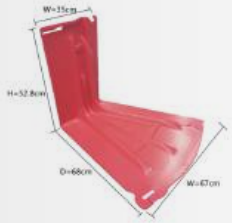
NoFloods BoxWall S50



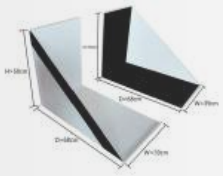
NoFloods BoxWall S50-ST
BW-DZ50 Straight module
W 70.5 cm x D 68 cm x H 52.8 cm
Weight: 4.1 kg ± 2%
Protection Height: 50 cm



NoFloods BoxWall S50-IN
BW-DI50 Inward corner module
W 55-22 cm x D 68 cm x H 52.8 cm
Weight: 2.8 kg ± 2%
Protection Height: 50 cm

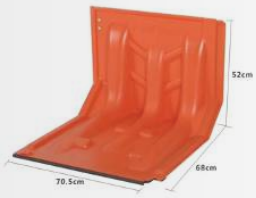


NoFloods BoxWall S50-OU
BW-DO50 Outward corner module
W 67-35 cm x D 68 cm x H 52.8 cm
Weight: 2.7 kg ± 2%
Protection Height: 50 cm

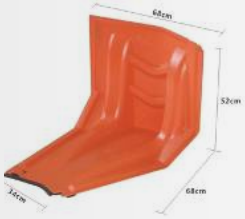


NoFloods BoxWall S50-EN
BW-DB50 End module - Left and Right
W 39 cm x D 68 cm x H 50cm
Weight: 3.5 kg ± 5%
Protection Height: 50 cm

NoFloods BoxWall T50

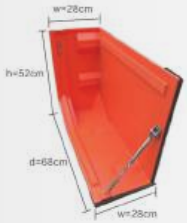


NoFloods BoxWall T50-ST
BW-DZ43 Straight module
W 70.5 cm x D 68 cm x H 52 cm
Weight: 4.4 Kg
Protection Height: 50 cm



NoFloods BoxWall T50-IN
BW-DI43 Inward corner module
W 68-36 cm x D 68 cm x H 52 cm
Weight: 3.7 kg
Protection Height: 50 cm

NoFloods BoxWall T50-OU
BW-DO43 Outward corner module
W 40-73 cm x D 68 cm x 52 cm
Weight: 3.1 kg
Protection Height: 50 cm



NoFloods BoxWall T50-EN
BW-DB43 End module - Left and Right
W 28 cm x D 68 cm x H 52 cm
Weight: 6.9 kg ± 5%
Protection Height: 50 cm

Determining the Number of Nofloods BoxWalls Required S50 and T50

When connected, each NoFloods BoxWall overlaps by 4-9 cm, depending on the model and angle. Angled pieces add length but are mainly for turns or obstacles and shouldn't be included in the total barrier length. See the following examples for straight-line deployment:

To make a 10 meter NoFloods BoxWall Barrier : Use 16 pieces of S50 or 16 pieces of T50
To make a 20 meter NoFloods BoxWall Barrier : Use 32 pieces of S50 or 32 pieces of T50
To make a 30 meter NoFloods BoxWall Barrier Use 48 pieces of S50 or 48 pieces of T50

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NoFloods BoxWall

Models 55-60

The recommended water retention height is 2 cm below the barrier's top. For example, the NoFloods BoxWall D55 Fin protects up to 53 cm, while the S110 model safeguards against water levels up to 108 cm.

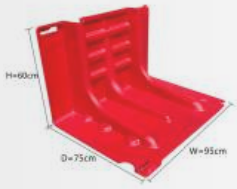
NoFloods BoxWall D55 FIN

NoFloods BoxWall D55F-ST
BW-FZ90 Straight module
W 90 cm x H 55 cm x D 75 cm
Weight: 5.5 kg
Protection Height: 53 cm

NoFloods BoxWall D55F-IN
BW-FE90 Inward corner module
W 85-195 cm x H 55 cm x D 64 cm
Weight: 7.4 kg
Protection Height: 53 cm

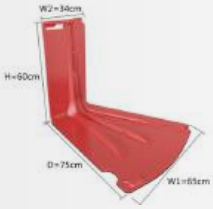
NoFloods BoxWall D55F-OU
BW-FA90 Outward corner module
W 95-190 cm x H 55 cm x D 62 cm
Weight: 7.4 kg
Protection Height: 53 cm

NoFloods BoxWall S60

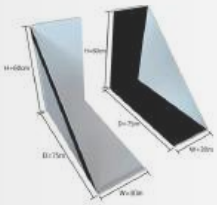


NoFloods BoxWall S60-ST
BW-DZ60 Straight module
W 95 cm x H 60 cm x D 75 cm
Weight: 7.2 kg
Protection Height: 58 cm

NoFloods BoxWall S60-IN
BW-DN60 Inward corner module
W 21-54 cm x H 60 cm x D 75 cm
Weight: 3.0 kg
Protection Height: 58 cm



NoFloods BoxWall S60-OU
BW-DW60 Outward corner module
W 34-65 cm x H 60 cm x D 75 cm
Weight: 3.1 kg
Protection Height: 58 cm



NoFloods BoxWall S60-EN
BW-DB61 End module - Left and Right
W 30cm x H 60 cm x D 75 cm
Weight: 3,6 kg ± 5%
Protection Height: 58 cm

Determining the Number of NoFloods BoxWalls Required D55 FIN and S60

When connected, each NoFloods BoxWall overlaps by 4-9 cm, depending on the model and angle. Angled pieces add length but are mainly for turns or obstacles and shouldn't be included in the total barrier length. See the following examples for straight-line deployment:

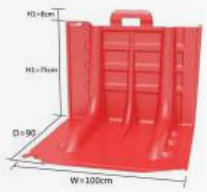
To make approximately 10 meter NoFloods BoxWall Barrier: Use 12 pieces of D55 FIN or 11 pieces of S60
To make approximately 20 meter NoFloods BoxWall Barrier: Use 24 pieces of D55 FIN or 22 pieces of S60
To make approximately 30 meter NoFloods BoxWall Barrier: Use 36 pieces of D55 FIN or 33 pieces of S60

NoFloods BoxWall

Models 75-80

The NoFloods BoxWall features specialised inward and outward corner modules that ensure optimal alignment and stability when forming curves and bends. To create a 90-degree turn, three corner modules are required, ensuring a precise and stable connection.

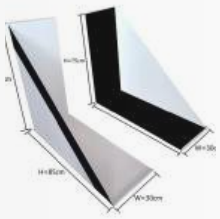
NoFloods BoxWall S75



NoFloods BoxWall S75-ST
BW-DZ80 Straight module
W 100 cm x D 85 cm x H 75 (83)cm
Weight: 9.6 kg ± 2%
Protection Height: 73 cm

NoFloods BoxWall S75-IN
BW-DI80 Inward corner module
W 59-21 cm x D 85 cm x H 75 cm
Weight: 3.8 kg ± 2%
Protection Height: 73 cm

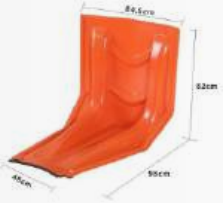
NoFloods BoxWall S75-OU
BW-DO80 Outward corner module
W 71-34 cm x D 85 cm x H 75cm
Weight: 3.8 kg ± 2%
Protection Height: 73 cm



NoFloods BoxWall S75-EN
BW-DB80 End module - Left and Right
W 30 cm x D 85 cm x H 75 cm
Weight: 3.5 kg ± 5%
Protection Height: 73 cm

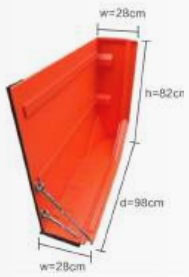
NoFloods BoxWall T80

NoFloods BoxWall T80-ST
BW-DZ20 Straight module
W 70.5 cm x D 98 cm H 83 cm
Weight: 7.7 kg
Protection Height: 81 cm



NoFloods BoxWall T80-IN
BW-DI20 Inward corner module
W 84.5-48 cm x D 101 cm x H 83 cm
Weight: 5.8 kg
Protection Height: 81 cm

NoFloods BoxWall T80-OU
BW-DO20 Outward corner module
W 48-86 cm x D 98 cm x H 82 cm
Weight: 4.3 kg
Protection Height: 81 cm



NoFloods BoxWall T80-EN
BW-DB20 End module - Left and Right
W 28 cm x D 98 cm x H 82 cm
Weight: 11.5 kg ± 5%
Protection Height: 80 cm

Determining the Number of NoFloods BoxWalls Required S75 and T80

When connected, each NoFloods BoxWall overlaps by 4-9 cm, depending on the model and angle. Angled pieces add length but are mainly for turns or obstacles and shouldn't be included in the total barrier length. See the following examples for straight-line deployment:

To make approximately 10 meter NoFloods BoxWall: Use 11 pieces of S75 or 16 pieces of T80
To make approximately 20 meter NoFloods BoxWall: Use 22 pieces of S75 or 32 pieces of T80
To make approximately 30 meter NoFloods BoxWall: Use 33 pieces of S75 or 48 pieces of T80

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Models 100-110

The modular system allows for quick setup and takedown, enabling easy adjustments and reconfiguration as needed. This flexibility ensures that the barrier can be deployed and removed with minimal effort, saving time and resources while offering reliable protection when and where it's needed.

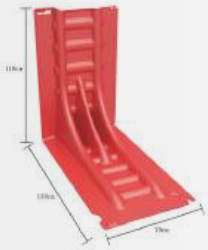
NoFloods BoxWall D100 FIN

NoFloods BoxWall D100F-ST
BW-FZ10 Straight module
W 105 cm x H 100 cm x D 110 cm
Weight: 14.5 kg
Protection Height: 98 cm

NoFloods BoxWall D100F-IN
BW-FE10 Inward corner module
W 95-256 cm x H 100 cm x D 120 cm
Weight: 18 kg
Protection Height: 98 cm

NoFloods BoxWall D100F-OU
BW-FA10 Outward corner module
W 302 cm x H 100 cm x D 145 cm
Weight: 18 kg
Protection Height: 98 cm

NoFloods BoxWall S110



NoFloods BoxWall S110-ST
BW-DZ30 Straight module
W 70 cm x D 130 cm x H 110 cm
Weight: 13.0 kg ± 2%
Protection Height: 108 cm

Determining the Number of NoFloods BoxWalls Required D100 FIN and S110

When connected, each NoFloods BoxWall overlaps by 4-9 cm, depending on the model and angle. Angled pieces add length but are mainly for turns or obstacles and shouldn't be included in the total barrier length. See the following examples for straight-line deployment:

To make approximately 10 meter NoFloods BoxWall: Use 11 pieces of D100 FIN or 16 pieces of S110
To make approximately 20 meter NoFloods BoxWall: Use 21 pieces of D100 FIN or 32 pieces of S110
To make approximately 30 meter NoFloods BoxWall: Use 33 pieces of D100 FIN or 48 pieces of S110

Installation Guide

Deployment, Extension & After Use

1 Barrier Orientation

Each NoFloods BoxWall features a system of connectors and receivers designed for easy assembly. While the specific locking mechanisms may vary by model, the connection process remains the same: first, secure the bottom connectors, then lock the top into place for a stable and reliable setup.

2 Connection of units

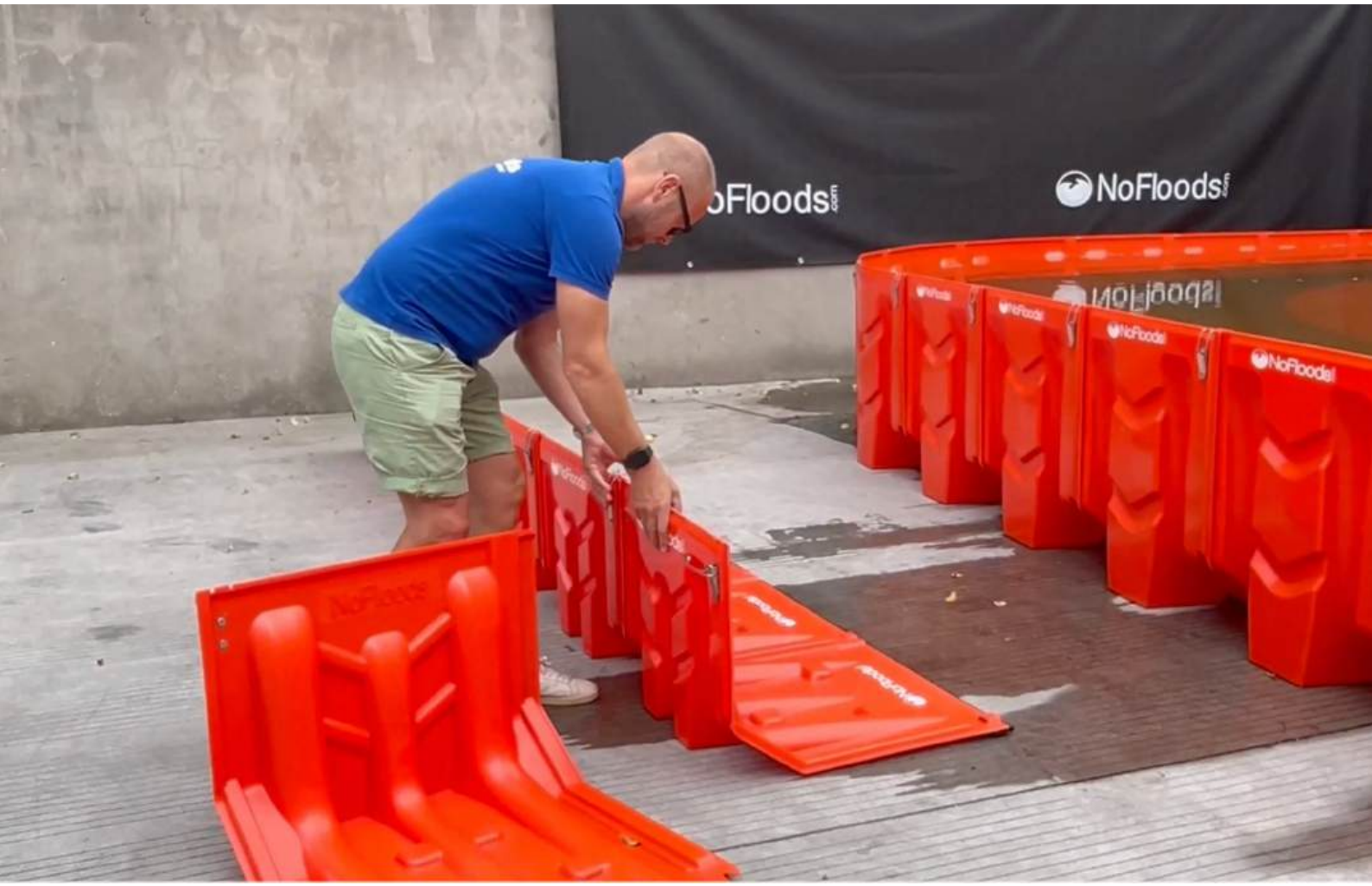
Start by placing the first NoFloods BoxWall in the desired position. To connect the next unit, tilt it at an angle and insert the bottom connector into the receiver. Then, lower the barrier into place and secure the top connection, following the same assembly principle.

Connecting & Locking

3

Continue connecting the barriers to achieve the desired length and configuration. The NoFloods BoxWall locking mechanisms allow for easy adjustments, ensuring a secure and flexible setup. For turns, the inward and outward corner modules provide a stable and precise solution, while the barrier can be neatly finished with an end module.

Example of top locking mechanism



4

Disassembly

To disassemble the NoFloods BoxWall, start at the end unit. Depending on the model, you may need to unlock the top connection first. Then, simply lift and tip each unit to detach it from the next.

APPLICATIONS

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