



Flood Protection Products - Pilot Scheme

*The flooding information in this document is brought to you by
Perth & Kinross Council, Scottish Fire and Rescue Service
(Perth and Kinross Area) and the Scottish Flood Forum.*





Flood Protection Products - *Pilot Scheme*

Householders with properties at risk of flooding can get help to fund suitable flood protection products for their homes under a new scheme.

Individuals, businesses and communities can play an important role in making themselves more resilient and to help to reduce the impact of flooding.

The responsibility for protecting individual properties lies with the property owner. Perth & Kinross Council has no statutory duty to prevent properties from flooding, but will help residents and communities as much as we can.

The Council and the Scottish Fire and Rescue Service (Perth and Kinross Area) have worked together with the Scottish Flood Forum to develop a pilot scheme to improve the uptake of flood protection products in Aberfeldy, Comrie, Crieff and Pitlochry. The proposed locations were identified through an assessment of the areas of highest flood risk within Perth and Kinross using

information provided by SEPA. The pilot scheme will run for a period of six months and may be extended to all of Perth and Kinross if it proves to be successful within the areas selected for the pilot scheme.

Details of the flood products that are available and how the pilot scheme will operate are provided later in this document.

Householders should contact their insurer to inform them of any flood resilience improvements that have been made to their property and to see if this will lead to a lower premium.

If you are interested in taking part in the scheme, please complete the Sign-up Form and return this in the pre-paid envelope to Perth & Kinross Council. Your details will then be passed on to the Scottish Fire and Rescue Service (Perth and Kinross Area) who will contact you to arrange for a free survey of your property.

What Flood Protection Products are Available?

The following are typical examples of products which are designed to protect a property from flooding. The products are normally used in combination depending on the requirements of the individual property.

Householders need to be aware that they will have to act on any flood warnings provided for their area and be present to correctly install some of these products prior to flooding. Some products are available that are automatic, eg self-raising air brick covers, others have to be left in place permanently.

Type 1 - Flood Barriers for Doors and Airbrick Covers

This type of product is designed to limit water entry to a property via doors or air bricks. The householder will require to be present and to have adequate warning in advance of flooding to ensure that they are correctly installed. Some products are available that are automatic, eg self-raising air brick covers.



Flood Gates and Barriers for Doors - prevent flood water entering a building during a flood.



Airbrick Covers - prevent flood water entering a building during a flood.



Smart Airbrick - automatically prevents water entering a building during a flood.

Type 2 - Non-Return Valves (NRV) and Toilet Bungs for Domestic and Foul Drainage Systems

The NRV limits water flow back up through property drains during flooding, while still allowing for domestic and foul water drainage under normal conditions. Non-return valves have to be fitted in advance of flooding and remain permanently in place.

The toilet bung limits foul water flow back up through property drains and out the toilet during flooding. The bung is inflated using the hand pump provided to provide a seal in the toilet U bend. This is a temporary device and should be fitted prior to flooding.



Non-Return Valves - Non-return valves prevent water moving up the foul water pipe and into the property during a flood.



Toilet Bungs - Inflated in the toilet to provide a seal preventing foul water flowing into the property.



Type 3 - Sump Pumps

Sump pumps can be used to pump water away that has entered a property and are commonly used in basements. The householder will require to be present to operate the pump during a flood.



Sump Pump - used to remove water that has entered the building.

Type 4 - Waterproofing and Sealants

Permanent waterproofing and sealants can be applied to the walls of a property to limit water entry and make the property more resilient to flooding.



Waterproofing Sealant - can be used to provide a watertight seal to external brickwork.

Flood barriers are designed to protect against flood water up to a height of 600mm. The reason for this is if flood water is more than 600mm high, preventing water from entering the property may cause structural damage due to the force of the water on the outside face of the wall. By allowing water greater than 600mm in depth to enter the property, the forces acting on either side of the wall are balanced out and structural damage is avoided.

Householders should contact their insurer to inform them of any flood resilience improvements that have been made to their property and to see if this will lead to a lower premium.

You should always check with the Development Management section of the Council's Environment Service to see if the flood protection measures which you intend to install require formal planning consent. This is more likely to be the case if your property is a listed building or lies within a Conservation Area.

What do the Flood Products Cost?

Householders will be asked to pay for the flood products, although this will be at a reduced price secured through bulk buying. The prices below have been based on a tentative enquiry to suppliers and may be subject to change. Perth & Kinross Council intends to try to secure further discounts on these prices on behalf of householders through bulk buying, once significant orders have been received. The final price will be confirmed to householders prior to purchase.

Flood Barrier	Size (mm)	RRP (£)	Discounted Price (£)
Standard	700	330.00	252.00
Regular	890	390.00	297.00
Medium	975	455.00	342.00
Large	1195	500.00	350.00

Airbrick Cover	Size (in)	RRP (£)	Discounted Price (£)
	9" x 3"	31.45	27.00
	9" x 6"	33.70	29.50

Smart Airbrick	Size (in)	RRP (£)	Discounted Price (£)
	9" x 3"	80.00	60.00

Non-Return Valve and Toilet Bung	Size (mm)	RRP (£)	Discounted Price (£)
For plastic pipes	100	99.00	99.00
For clay/concrete	100	99.00	99.00
Toilet Bung	100	31.33	31.33
	150	52.33	52.33

Note: The price for each product includes VAT. Prices are correct at time of printing and may be subject to change. Prices for some items do not include delivery.

Use of Sandbags

The Council can sometimes provide sandbags to properties in imminent danger of being flooded. Protecting property from flooding is the responsibility of the owner of the property, but we are keen to do as much as we can to help. Unfortunately we only have the resources to allow us to supply sandbags to residents where there is an imminent risk of flooding.

How the Pilot Scheme Works

Perth & Kinross Council's pilot scheme will be carried out in liaison with the Scottish Fire and Rescue Service (Perth and Kinross Area) and the Scottish Flood Forum.

Homeowners will be able to request a free flood survey of their property through the Council's Customer Service Centre.

Homeowners will be required to sign a disclaimer confirming that the Council and the Fire Service have no responsibility for the installation or operation of these products, as the primary responsibility for avoiding or managing flood risk still remains with property owners. The Scottish Flood Forum already have their own disclaimer in place, which can be viewed on their website.

The Scottish Fire and Rescue Service (Perth and Kinross Area) will carry out the survey of the property. This will be similar to the existing home fire safety visits carried out by the Fire Service and will identify the main areas where water can enter, and will advise on ways of mitigating this risk. The survey will also highlight the amount and type of suitable flood products or protection measures that could be adopted for this, and will also include a demonstration of suitable product samples.

The Scottish Fire and Rescue Service (Perth and Kinross Area) will produce a survey report for the householder advising them of suitable flood products.

If the householder wishes to proceed with the procurement of the recommended products then they will be required to sign the Council's purchase order form.

Where there are already insurance issues, the Scottish Flood Forum will produce a pre-installation report for the householder's insurance

company. This will ensure that the insurance company is satisfied with the proposed flood products and the resident can take full advantage of any insurance benefits.

This pilot scheme will allow the community to access the Council's buying potential for flood products. Residents will be asked to pay for the products although this should be at a reduced price, secured through bulk buying. The Council will arrange for a bulk purchase of the appropriate products on behalf of householders once sufficient orders have been received.

The products will be delivered to the Council's roads depots at Crieff and Pitlochry. Householders will be responsible for collecting the products and for arranging for their installation.

The flood products will be installed at the residential properties by a qualified installer/contractor appointed by the householder. The Scottish Flood Forum will advise householders on suitable installers. The householder can also make reference to the trusted trader scheme operating in Perth and Kinross - **Better Business Partnership Member's List** on Perth & Kinross Council's website:

www.pkc.gov.uk/article/3536/Better-Business-Partnership---members-list

Once the products have been installed, the Scottish Flood Forum will provide training and explanation to householders. This is essential to avoid properties being flooded despite flood protection products being installed.

The Scottish Flood Forum will carry out an inspection of the property after the products have been installed and will produce, and sign off, a final report. This will allow householders to take advantage of any potential insurance benefits.



What Areas are Included in the Pilot Scheme?

An assessment has been made of the areas of highest flood risk - known as Potentially Vulnerable Areas - within Perth and Kinross using information provided by SEPA under the Flood Risk Management (Scotland) Act 2009. The Potentially Vulnerable Areas chosen based on the results of this assessment are PVA 08/03, which includes Aberfeldy and Pitlochry, and PVA 08/14 which includes Comrie and Crieff.

The pilot scheme will target residential properties within these areas and will not include commercial and business properties unless they were integral to protecting households, for example in a terraced street.

More information on Potentially Vulnerable Areas can be found on SEPA's website at:

<http://map.sepa.org.uk/nfra/map.htm>

What if My Area is Not Included in the Pilot Scheme?

It is proposed to evaluate the success of the pilot scheme following a period of six months. If the pilot scheme proves to be successful within the chosen locations then a recommendation will be made to the Council that it is extended to all of Perth and Kinross.

In the meantime if you are interested in obtaining your own flood protection products then some further information is included opposite.

Further Information

The Scottish Flood Forum have produced a Blue Pages Directory, which is an independent guide to flood protection products and services. This can be viewed at:

www.scottishfloodforum.org

The Council's website also includes advice on flooding and flood protection products:

www.pkc.gov.uk/flooding

SEPA also provides a list of flood protection products which can be viewed at:

www.sepa.org.uk

Contact Details

If you have any queries about the pilot scheme, then please contact:

- Perth & Kinross Council**

Flooding Team
The Environment Service
Perth & Kinross Council
Pullar House
35 Kinnoull Street
PERTH
PH1 5GD
Tel 01738 475000
Email plpflooding@pkc.gov.uk
Web www.pkc.gov.uk/flooding

- Scottish Fire and Rescue Service (Perth and Kinross Area)**

South Perthshire District Liaison Manager for the Crieff and Comrie Pilot Areas:

Ben Liversedge, Watch Manager
Email Ben.Liversedge@firescotland.gov.uk

Highland Perthshire District Liaison Manager for the Pitlochry and Aberfeldy Pilot Areas:

Fred Cochrane, Watch Manager
Email Fred.Cochrane@firescotland.gov.uk

- Scottish Flood Forum**

Paul Hendy
Operations Director - Scottish Flood Forum
Tel 01698 839021 (24hr enquiry line)
Email paul@scottishfloodforum.org
Web www.scottishfloodforum.org

If you or someone you know would like a copy of this document in another language or format, (on occasion only a summary of the document will be provided in translation), this can be arranged by contacting Customer Service Centre on 01738 475000.

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You can also send us a text message on 07824 498145.

All Council Services can offer a telephone translation facility.

www.pkc.gov.uk

(PKC Design Team - 2014587)