

Product Datasheet

Alumasc PVC Vertical Outlet

Sheet No: PDS-OUT001
 Issued: 02/10/2024
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Description

Alumasc PVC Vertical Outlets are a PVC-U rigid outlet with factory applied Single Ply membrane flange to ensure a guaranteed seal between the outlet body and membrane flange and a compatible seal between the outlet and the Single Ply roof membrane. Supplied with Alumasc Universal Leaf Guard and Alumasc Anti Back Up Seal if required.

Universal Leaf Guard

Manufactured from Polyamide the Alumasc Universal Leaf Guard is standard fit into all the outlets in this range. The high quality mechanical action provides a reliable clamp via three padded extending legs to the inside of the outlet to ensure no damage to the inside of the pipe and for long term performance. The installation / removal of the leaf guard is a hand operation and does not require any specialist tooling.

Refurbishment Pipe Seal

Manufactured from EPDM Rubber the Alumasc Refurbishment pipe Seal is installed by hand to the base of the unit being installed into an existing outlet. When installed an Refurbishment Pipe Seal will prevent water entering the newly installed system, however The connection between the existing outlet and the existing downpipe must be adequately sealed.

Product Data

Nominal Outlet Ø	Product Code	Spigot OD Ø	Solid Flange Size (mm)	Membrane Flange Size (mm)	Spigot Pipe Length (mm)
50mm	PVC-VO-50	50mm	150 x 150	300 x 300	300mm
70mm	PVC-VO-70	75mm	180 x 180	350 x 350	300mm
80mm	PVC-VO-80	90mm	200 x 200	350 x 350	300mm
100mm	PVC-VO-100	110mm	230 x 230	500 x 500	300mm
125mm	PVC-VO-125	125mm	230 x 230	500 x 500	300mm
150mm	PVC-VO-150	160mm	260 x 260	500 x 500	300mm
*200mm	PVC-VO-200	200mm	400 x 400	580 x 580	300mm

Product sizes shown are standard items unless detailed below. Alternative Spigot Pipe Lengths are available up to 1000mm as special order items. *200mm is a Special Order Item.

Nominal outlet Ø	Drainage Rate Ltr/Sec	Tested Head of Water
50mm	0.90	35mm
70mm	4.40	35mm
80mm	5.00	35mm
100mm	6.00	35mm
125mm	9.00	45mm
150mm	10.60	45mm
*200mm	13.00	45mm

Drainage Rates shown are from testing with Standard Leaf Guard Installed



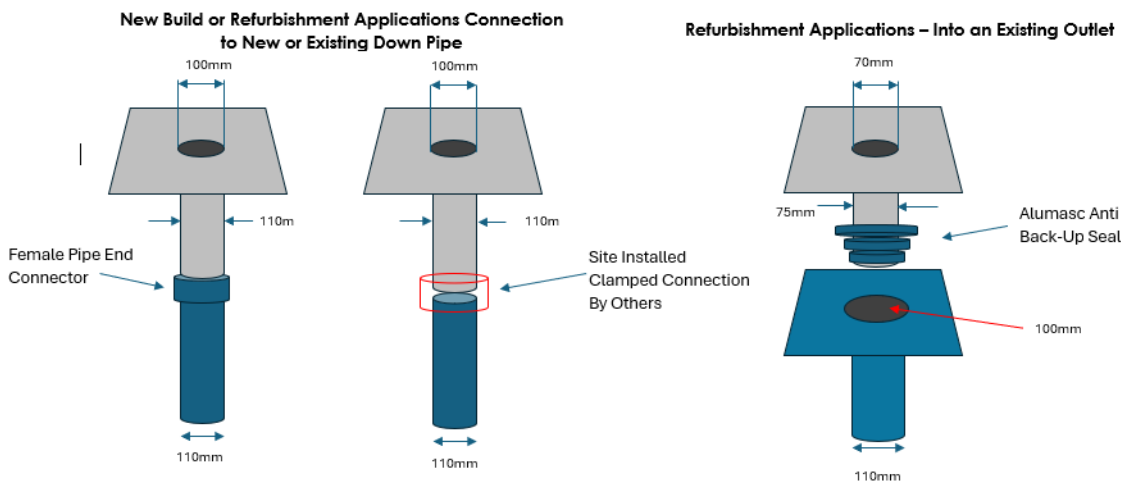
Outlet pictured above is shown with Leaf Guard and Alumasc Anti Back Up Seal

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Connection Information



New build installations most commonly offer two types of connection between the outlet spigot and the down pipe.

The outlet spigot is sleeved into a pre formed connector on the down pipe.

If the pre formed sleeve connector has been removed from the down pipe the outlet spigot is lined up to the cut end of the pipe and a mechanical or sealed connector will be required to join the two pipe sections.

Alumasc Roofing do not supply the above type of connector as this generally falls outside of the roofing contractors contract.

In refurbishment application where the new Alumasc Vertical PVC Outlet will be placed inside and existing outlet opening, it is recommended to accurately measure the existing opening and remove any built up existing waterproofing. The below guide shows the recommended Alumasc Vertical PVC Outlet to suit an existing opening incorporating the Alumasc Refurbishment Pipe Seal.

Existing Outlet Size (mm)	Suggested Outlet Ø	Alumasc Refurbishment Pipe Seal Range
83 - 106	70mm	87 – 108
101 - 108	80mm	105 – 111
116 - 131	100mm	120 – 135

It is recommended that as part of the existing rood survey accurate measurements of the existing outlets are taken to assist with confirming the correct product selection

Certification

All Flow Rates of the vertical outlets incl. Leaf Guard exceed the minimum requirements of DIN 1986-100 (flow rate standard) The outlets including leaf guard are tested following DIN EN 1253.

Health & Safety

Safety Data Sheets are available upon request and can also be downloaded directly from www.alumascroofing.com.

Technical Support

Technical advice is available from Alumasc Technical Services at:

Telephone: +44 (0)1744 648400

Email: technical@alumascroofing.com

The company pursues a policy of constant product development and information contained in this publication is therefore subject to change without notice. The customer is responsible for ensuring that each product is fit for its intended purpose and that the conditions for use are suitable. All quoted data is nominal and subject to production tolerances.

Our company policy is one of continuous research and development; we therefore reserve the right to amend content herein without prior notice.

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