

Bauder Bitumen Letterbox Parapet Outlet DN 205 including stainless steel leaf guard

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Product description	A high drainage capacity stainless-steel bitumen letterbox parapet outlet for horizontal roof drainage systems. Factory bonded membrane flange attached to the outlet allows for ease of installation.
Application fields	For use with Bauder bituminous waterproofing membranes when used as a through chute in walls or parapets to external drainage via a hopper head and downpipe. The product is designed to be used in warm, cold, and inverted roof scenarios. To be used in conjunction with the letterbox parapet outlet leaf guard.
Article Number	Bitumen Letterbox Parapet Outlet inc. s/s leaf guard 600mm spigot = GB14120210 *850mm spigot = GB14120211 1200mm spigot = GB14120212
Website link	https://www.bauder.co.uk/products/bitumen-letterbox-parapet-outlet-dn205



Characteristic – Bitumen Letterbox Parapet Outlet	Unit	Value
Base plate	mm	415 (width) x 175 (vertical) x 100 (horizontal)
Aperture	mm	205 (width) x 65 (height)
External dimensions of spigot	mm	215 (width) x 70 (height)
Bitumen membrane flange	mm	700 width x 280 vertical x 210 horizontal
Stainless steel spigot length	mm	600, 1200 *850 available as a special order – min. 10 working days lead time
Weight	kg	600 = 4.44 (4.75kg including leaf guard) 850 = 4.89 (5.2kg including leaf guard) 1200 = 5.59 (5.9kg including leaf guard)
Membrane colour	N/A	Black
Membrane finish	N/A	Sanded
Angle of spigot	°	0

Flow Rate	Unit	Value
Bitumen letterbox parapet outlet	litres/sec	2.02**
**Flow rate performance data using a 35mm head of water (including leaf guard), based upon requirements of BS EN 12056:3:2000. To utilise a higher flow rate, the forming of a sump in front of the letterbox parapet outlet can aid with this, increasing the head of water, meaning a possible reduction in the number of letterbox parapet outlet units required. For bespoke drainage calculation performance data, please contact Bauder Limited.		
Characteristic – leaf guard	Unit	Value
Width	mm	345
Height	mm	140
Depth	mm	100

Normative references	For updated references, the latest edition of the referenced document (including any amendments) applies.
Storage guidance	The product should be stored dry, protected against weathering, and must not be exposed to temperatures exceeding 35°C. The products must not be exposed to a direct naked flame or other ignition sources, or to solvents or other chemicals. Ensure the product(s) are clear of buildings and any other storage areas. Where there are storage containers on site, these may be suitable for storing products. Outlet bituminous flanges that have become wet must be allowed to fully dry out naturally before use. The leaf guard will be supplied with the outlet itself.
Packaging material	The outlet and leaf guard will be delivered in a cardboard box (<300g readily recyclable).
Handling/PPE	All persons using the product should be fully aware of the manual handling methods as roofing materials are heavy and can cause serious injury. When using the product, installers should be provided with, and wear, suitable personal protective equipment.
Disposal guidance	Disposing of any waste material must be carried out in accordance with national regulations.
Further information/ documents	Current documents such as brochures, installation guides, etc. can be found by visiting www.bauder.co.uk

Technical data sheet

International Standards Organisation (ISO)

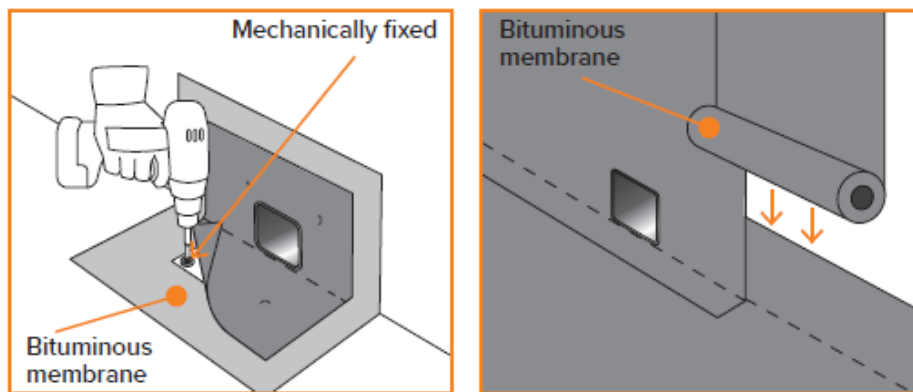
ISO 9001:2015 Quality Management
Certificate: 10905-QMS-001

ISO 14001:2015 Environmental Management
Certificate: 10905-EMS-001

ISO 45001:2018 Optimal Health & Safety
Certificate: 10905-OHS-001

Installation Guidance

- Ensure all pre-installation criteria have been followed. The membrane flange is designed to be sandwiched between the underlayer and capsheet.
- Carefully push the letterbox outlet down into the parapet area to ensure a flush fit and that the spigot extends beyond the upstand wall.
- If the outlet is sitting proud, consider reducing the insulation slightly to ensure water flow is not inhibited in this region.
- Temporarily fold back to reveal pre-drilled holes of the fixing plate, fasten the outlet into position through the system into the deck & upstand using suitable fixings.
- Un-fold/return the membrane flange flat to the system.
- The membrane flange is to be addressed to the flat & upstand areas, starting at the centre and work outwards until the entire flange is welded to the bitumen membrane.
- Capsheet to be dressed around the pipe and fully bonded to the underlayer, ensuring a bitumen bleed is achieved around the pipe opening.
- Leaf guard to be inserted and tightened with a spanner upon completion.



Pipe connection:

The Bauder Bitumen Letterbox Parapet Outlet is suitable to drain to external hopper heads and should remain accessible for maintenance. We do not recommend this outlet for use within concealed and inaccessible internal pipework.

Connectivity to drainage pipework to be the responsibility of the plumbing contractor/drainage engineer.

Drainage performance of the Letterbox Parapet Outlet:

The figures below are based upon the requirements of BS EN 12056: 3: 2000. Flow rates are typically taken using a 35 mm head of water (including leaf guard), which for the Bitumen Letterbox Parapet Outlet gives a flow rate performance of 2.02 litres/sec.

HEAD OF WATER (mm)									
Depth (mm)	15	25	35	45	55	65	75	85	95
litres/sec	0.7	1.2	2.02	2.8	3.3	4.7	5.1	6.4	7.1

When designing a rainwater scheme, the following considerations should apply:

Always make provision for an additional back-up outlet to ensure that the roof will continue to drain in the event of a blockage, even if a single outlet is deemed to have sufficient flow to drain the area concerned.

Allow a safety factor of 10% above the published maximum outlet capacity to take account of greater than designed storm intensities.

Check that all outlets are correctly installed before completion or handover.

Check that all pipe connections are secure and that the leaf guards are fitted.

All rainwater outlets should be inspected twice yearly for blockages and to clean out the outlets and remove any debris or leaf litter as part of the routine maintenance schedule.

Outlet can be used as an emergency overflow. BS 12056 suggests the overflow is set 35mm higher than the outlet it is being used as an emergency overflow for.

Overflows/tell-tale overflows: An appropriate Engineer should consider the requirement for overflows on all roofs. A full capacity overflow should be provided when there is only one outlet on a given roof area.

Safety Data Sheets are designed to provide the necessary information to recipients of substances and mixtures in the EU & UK. This product is classed as an article; therefore, this product does not have a requirement for a Safety Data Sheet.