Technical data sheet

BauderTHERMOPLAN stainless steel rainwater outlets

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Product description	A stainless steel rainwater outlet with factory installed FPO membrane flange. Supplied with an O-ring and a wire ball leaf grill. Supplied with a pearl white coloured FPO membrane flange.
Application fields	Bauder outlets are sized to show the internal diameter of the spigot. For information on non-standard sizes and refurbishment applications, please contact Bauder technical department.
Article Number	GB12102075 (DN70mm pearl white) GB12102110 (DN100mm pearl white) GB12102160 (DN150mm pearl white)
Website link	https://www.bauder.co.uk/products/thermoplan-stainless-steel-rainwater-outlets

Characteristic	Unit	Value
Stainless steel base plate	mm	230 x 230
FPO membrane flange	mm	330 x 330
FPO membrane flange thickness	Mm	1.5
Stainless steel spigot length	mm	400
Thermoplan stainless steel outlet DN 70 mm	mm	To suit 75mm rainwater pipe
Thermoplan stainless steel outlet DN 100 mm	mm	To suit 110mm rainwater pipe
Thermoplan stainless steel outlet DN 150 mm	mm	To suit 160mm rainwater pipe
Flow Rate	**Unit**	**Value**
Thermoplan stainless steel outlet DN70 mm	litres/sec	2.39*
Thermoplan stainless steel outlet DN100 mm	litres/sec	4.45*
Thermoplan stainless steel outlet DN150 mm	litres/sec	6.76*
*Flow rate performance data using a 35mm head of water (including leaf grille), based upon requirements of BS EN 12056:3:2000.		

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.
Packaging material	Typically supplied 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

International Standards Organisation (ISO)

ISO 9001:2015 Quality Management
Certificates EN1271 (UK)

ISO 14001:2015 Environmental Management Certificates
A10552 (UK)

Installation Guidance

- Ensure all pre-installation criteria have been followed.
- Push the membrane flange down onto the main flat area to ensure a flush fit.
- 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, fasten the outlet into position through the insulation into the deck using suitable fixings.
- Un-fold/return the membrane flange flat to the system.
- Weld the membrane flange to the main flat area, starting at the centre and work outwards until the entire flange is welded to the Thermoplan field sheet.

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.

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