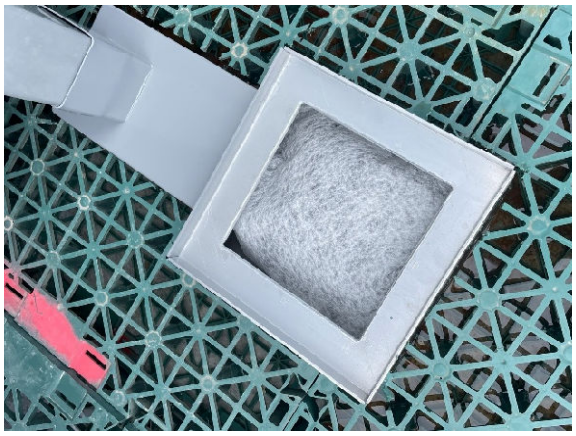
blueroof Diffuser Chamber

Data Sheet

ABG **blueroof** diffuser chambers are designed as a complementary component of ABG's "blue roof", rainwater attenuation, SuDS system.
The aluminium chamber contains a geotextile filter bag and is attached to the base of the downpipe.
The major application is to filter and diffuse water from downpipes into the attenuation layers of a blue roof.

Diffuser chamber with embedded lid.



Diffuser chamber installed and connected to downpipe.

Chamber Properties		
Material		Aluminium
Main section/lid length [4]	(mm)	250
Main section/lid width [4]	(mm)	250
Main section/lid height [4]	(mm)	165 (Including 40mm embedded lid.)
Inflow length	(mm)	150
Inflow width	(mm)	150
Inflow height	(mm)	125
Downpipe connector options	101.6mm diameter pipe connector Square to round adapter – 107mm ID	

Application Notes

- Suitable for pedestrian/amenity access areas only.

Filter Geotextile Properties				
Thickness at 2kPa [3]	(mm)	1.2	nominal	EN ISO 9863-1
Tensile strength MD / CMD [3]	(kN/m)	9.5 / 9.5	-13%	EN ISO 10319
CBR puncture resistance [3]	(N)	1 600	-20%	EN ISO 12236
Dynamic perforation cone drop [3]	(mm)	29	+25%	EN ISO 13433
Pore size O_{90}	(µm)	120	±30%	EN ISO 12956
Type and material	Nonwoven needle-punched and heat-treated long staple fibre polypropylene.			

1 The values given are determined from statistical Interpretation of test results obtained in our laboratories and are subject to tolerances. In line with our policy of continuous improvement the right is reserved to make changes without notice at any time.
2 Final determination of the suitability of any information is the sole responsibility of the user. ABG will be pleased to discuss the use of this or any other product but responsibility for selection of a material and its application in any specific project remains with the user.
3 Thickness, CBR, Dynamic perforation cone drop and Tensile strength are given only to enable rapid CQA checks.
4 Dimensions can be customised to suit project requirements.

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