

Wavin Stormwater Management



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Project Details

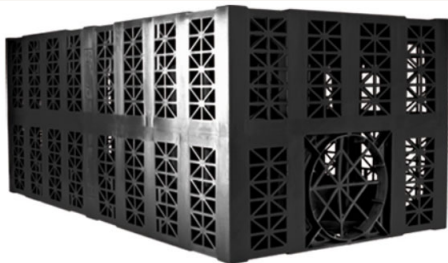
Project Name	Moseley Rd New Build	Produced By	Andrew Gaskell
Client Name	Airshack		
Site Address	Moseley Rd, m14 6Nr	Date	28/02/2022

Modular Units and Tank Details - attenuation

Length	2.5m	2.5 units	Void	95%
Width	1.5m	3 units	Cover Depth	0.3m
Depth	0.4m	1 units	Installation Depth	0.7m
Total Number of Units	7.5 units			

Recommended Unit

Wavin recommend using the following unit for your installation.



AquaCell Core R

Product Number: 6LB150

AquaCell Core R has been designed for use in deep applications, subject to both regular and heavy traffic loadings, such as cars and HGV's (for vehicles up to 44 tonnes).

Drainage Details

Area	212m ²	Allowable Discharge	2 ltr/sec
Catchment Type	Roof + Hardstanding	Climate Change	0%
Area Reduction Factor	0.9	Effective Area	190.8m ²
Soil Type	Over consolidated clay	Factor of Safety	1

Rainfall Data

R Value	0.33	Storm Return Period	1 in 30 years
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M5-60	18	County	Greater Manchester
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Time	Z1 Value	y mm	Z2 Value	p mm	Inflow	Outflow	Storage Volume
5min	0.35	6.3	1.43	9.01	1.72	0.6	1.12
10min	0.5	9	1.46	13.14	2.51	1.2	1.31
15min	0.61	10.98	1.47	16.14	3.08	1.8	1.28
30min	0.78	14.04	1.47	20.64	3.94	3.6	0.34
1hr	1	18	1.51	27.18	5.19	7.2	-2.01
2hr	1.22	21.96	1.52	33.38	6.37	14.4	-8.03
4hr	1.56	28.08	1.51	42.4	8.09	28.8	-20.71
6hr	1.72	30.96	1.49	46.13	8.8	43.2	-34.4
10hr	2	36	1.49	53.64	10.23	72	-61.77
24hr	2.6	46.8	1.45	67.86	12.95	172.8	-159.85
48hr	3.25	58.5	1.41	82.49	15.74	345.6	-329.86

Critical storm duration (hrs)	10min
Required Storage Height	1.31m
Volume from Dimensions	1.43m ³

Area Sales Manager

If you would like to find out how to purchase, please contact your Area Sales Manager

Name	Michael Rose
Phone Number	07966 333620

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