

Blue Roof Data Capture Form

Required Information:	
Project Name:	Ashley Road Depot
Project Address:	Tottenham Hale, London
Project Postcode:	N17 9LP
Date:	17/10/2023
Revision:	0

Optional Information (if known):	
Client:	Formation
Project Consulting Engineer:	TBC
Building Insurer:	TBC
Rainfall Methodology:	FEH
Storm Event / Climate Change Factor:	1:100 Years + 40% CCF

Roof ID:	Area of Roof (m ²)	Total Storage Area of Blue Roof (m ²)*	Additional Catchment Area (m ²)	Geocell Depth	H. Max (Measured from WFRL)	Achievable discharge (l/s)	Target discharge (l/s)**	Number of Outlets	Hours to Half Empty (Req'd less than 24hrs)
A2 Roof	505.0m ²	425.0m ²	80.0m ²	100mm	100mm	1.72l/s	0.40l/s	3	3.3
A3 Roof	548.0m ²	438.0m ²	110.0m ²	100mm	100mm	2.23l/s	0.60l/s	3	2.6
B2 Roof	297.0m ²	238.0m ²	59.0m ²	100mm	100mm	1.80l/s	0.40l/s	3	2.7
B3 Roof	569.0m ²	455.0m ²	114.0m ²	100mm	99mm	2.4l/s	0.60l/s	2	2.5
C1 Roof	590.0m ²	505.0m ²	85.0m ²	100mm	99mm	1.96l/s	0.40l/s	3	3.4
Block C Podium	534.0m ²	427.0m ²	107.0m ²	100mm	100mm	2.14l/s	0.37l/s	4	2.6
TOTAL discharge (ALL BLUE ROOFS COMBINED)						9.85l/s	2.77l/s		

Notes & Special Instructions:	Roof and Blue roof storage email taken from Rhys Williams of Civic Engineers email dated October 16th 2023.
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CCF: Climate-Change Factor

Calculations based on completed data capture form.

Radmat Blue Roof Calculation Software functions in accordance with industry code of best practice (NFRC & CIRIA SuDS Manual). Flow rates based on rainfall models as referenced in this form (FEH or FSR).

Information is assumed to be accurate at date of issue. Radmat does not accept any liability for errors, omissions arising from this calculation or associated calculations and summaries.

Radmat Blue Roofs are designed specifically to function on roofs with Zero Falls unless otherwise stated. Zero Falls roofs should be installed in accordance with BS 6229:2018 Code of Best Practice and any back falls corrected by the deck erector. RWO's should be positioned at points of maximum deflection once an analysis has been undertaken by the project structural engineer.



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Number of Rainwater Outlets should be calculated in accordance with BS EN12056-3:2000. Where the number of required outlets calculated exceeds what is required for the blue roof to function, redundant (non-flow-restricting) outlets and associated separate downpipes are to be installed and function with an overflow-only capacity.