

Flow Capacity of Intensive Green Roof Substrate - Conservatively based on Maximum Dimension of Main Roof Area; Sandy GRAVEL Composition and Flat Roof with Pitch of 1:80

No.		Abbreviation	Calculations	Value
1	cross-sectional flow area	A		8.42 m <sup>2</sup>
2	coefficient of permeability of filter media	k	CIRIA Report C573	3.00E-04 m/s
3	hydraulic gradient	i	1 in 80	1.25E-02
4	Flow capacity of filter media	Q	A.k.i	3.16E-05 m <sup>3</sup> /s <b>0.03</b> l/s
		Qmax		N/A l/s