

PM 000

URBAN GREENING FACTOR

Project No: 2234

Project Name: Alexandra Park School Post 16

Issue Date: 13/05/2024

Introduction

This calculator should be used in conjunction with London Plan Guidance 'Urban Greening Factor', 2021.

The Urban Greening Factor (UGF) is a tool that evaluates and quantifies the urban greening proposed in new developments. The UGF works by assigning a factor score to each surface cover type proposed in a planning application. Scores range from 1 for semi natural vegetation, through to 0 for impermeable sealed surfaces.

Instructions

- Cells highlighted in green should be completed by the applicant;
- Green cover should be categorised in accordance with Appendix 1 of the UGF guidance;
- The notes column should be used to record any assumptions (e.g. how expected tree canopy has been calculated) and to set out which features (e.g. the type of semi-natural habitat) have been included in the appropriate row;
- The calculation table should be copied to UGF drawing to be submitted for planning;
- The UGF should always be calculated on the total site area, equivalent to the red line boundary;
- Adjacent areas of land under the ownership or management of the applicant but not subject to the planning application must not be included; and
- Retained surface cover types should be included in the calculation.

Urban Greening Factor Calculator

Surface Cover Type	Factor	Area (m ²)	Contribution	Notes
Semi-natural vegetation (e.g. trees, woodland, species-rich grassland) maintained or established on site.	1	385	385	Species-rich grassland associated with BNG Enhancements.
Wetland or open water (semi-natural; not chlorinated) maintained or established on site.	1	0	0	Not feasible due to site constraints.
Intensive green roof or vegetation over structure. Substrate minimum settled depth of 150mm.	0.8	0	0	Not compatible with roof mounted PV System.
Standard trees planted in connected tree pits with a minimum soil volume equivalent to at least two thirds of the projected canopy area of the mature tree.	0.8	0	0	Not applicable.
Extensive green roof with substrate of minimum settled depth of 80mm (or 60mm beneath vegetation blanket) – meets the requirements of GRO Code 2014.	0.7	0	0	Not compatible with roof mounted PV System.
Flower-rich perennial planting.	0.7	0	0	Not applicable.
Rain gardens and other vegetated sustainable drainage elements.	0.7	0	0	Not compatible with roof mounted PV System.
Hedges (line of mature shrubs one or two shrubs wide).	0.6	163.8	98.28	Additional and existing hedgerow adjacent to proposals.
Standard trees planted in pits with soil volumes less than two thirds of the projected canopy area of the mature tree.	0.6	397.2	238.32	Additional tree planting (10no.). Existing trees overhanging site not included.
Green wall –modular system or climbers rooted in soil.	0.6	0	0	No applicable.

Groundcover planting.	0.5	34.4	17.2	Existing ground cover around tree along with verge along drive retained.
Amenity grassland (species-poor, regularly mown lawn).	0.4	646	258.4	Grassland adjacent to new development inc. landscaping associated with BNG.
Extensive green roof of sedum mat or other lightweight systems that do not meet GRO Code 2014.	0.3	0	0	Not compatible with need to provide roof mounted PV System.
Water features (chlorinated) or unplanted detention basins.	0.2	0	0	Not feasible due to site constraints.
Permeable paving.	0.1	207.4	20.74	All new paving within site boundary.
Sealed surfaces (e.g. concrete, asphalt, waterproofing, stone).	0	914.9	0	All new and existing tarmac surfaces within the site boundary.
Total contribution			1017.94	
Total site area (m²)			2842.4	
Urban Greening Factor			0.358126935	