

Title :Urban Greening Factor Calculation

Date :02.12.2022

Project :Former Comag Works, West Drayton

Project number :7943

Client :BELLWAY HOMES LIMITED (North London)

Revision :D



Drawings:

7943.GF.PP.1.0 Rev B

7943.FF.PP.1.1 REV D

7943.TRG.PP.1.2 Rev G

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	0	0	N/A
Wetland or open water (semi-natural; not chlorinated) maintained or established on site.	1	0	0	N/A
Intensive green roof or vegetation over structure. Substrate minimum settled depth of 150mm.	0.8	448	358.4	First floor- planting area without hedges - 372m ² . Top floor - ornamental planting -66m ² .
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	16	12.8	Trees has been calculated with estimated mature canopy. Ground floor -two standard trees , canopy diameter 3m
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	951	665.7	First flore - extensive green roof (wildflower mats) instead of amenity gras - 131m ² Top floor - additional extensive green roof -vegetation blanket - 820m ²
Flower-rich perennial planting.	0.7	121	84.7	N/A
Rain gardens and other vegetated sustainable drainage elements.	0.7	0	0	N/A
Hedges (line of mature shrubs one or two shrubs wide).	0.6	62	37.2	First floor 49m ² . Top floor - 13m ²
Standard trees planted in pits with soil volumes less than two thirds of the projected canopy area of the mature tree.	0.6	50	30	Trees has been calculated with estimated mature canopy. First floor - 7 no x 5=35m ² multistemmed trees, canopy diameter 2.5m. Top floor - 3no.x5=15 m ² Multistemmed trees, canopy diameter 2.5m
Green wall -modular system or climbers rooted in soil.	0.6	85	51	First floor- additional instant climbers panels 1.55mHx 46mL=71m ² . Top floor- additional instant climbers panels 2mHx 7mL=14m ²
Groundcover planting.	0.5	0	0	Ground floor - mix ornamental planting
Amenity grassland (species-poor, regularly mown lawn).	0.4	193	77.2	First floor- turf area 193m ²
Extensive green roof of sedum mat or other lightweight systems that do not meet GRO Code 2014.	0.3	0	0	N/A
Water features (chlorinated) or unplanted detention basins.	0.2	0	0	N/A
Permeable paving.	0.1	585	58.5	Ground floor -Hydropave Pedesta block paving 285 m ² , First floor - resin bound gravel, rubber paving -300m ² .
Sealed surfaces (e.g. concrete, asphalt, waterproofing, stone).	0	326	0	Ground floor -asphalt, flag paving - 93m ² . Top floor -, porcelain paving - 233m ²
Total contribution			1375.5	
Total site area (m²)			3465	
Urban Greening Factor				0.396969697